Silicone Rubber

Braidless

300/500V, 180°C, peak temp 250°C

Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD AWG	Nominal Conductor OD Section mm²	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Application
180°C • 24 AWG - 500 MCM • Stranded Tin-Plated Copper Wire													
Silicone Halogen-Free Insulation (Brown, Red, Orange, Yellow, Green, Violet, Grey, White, Black and Blue)													
		IEC 60754-1 VDE 0282 Part 1								Unshielded			For wiring at high ambient temperatures, e.g. - Lighting - Domestic appliances - Instrumentation engineering - Mechanical engineering
	HMC4198		328	100	1.3	0.6	(14x0.15) TPC	24	0.25		0.071	1.80	
	HMC4199		328	100	2.0	0.9	(16x0.20) TPC	20	0.50		0.083	2.10	
	HMC4200		328	100	2.4	1.1	(24x0.20) TPC	18	0.75		0.091	2.30	
	HMC4201		328	100	3.1	1.4	(32x0.20) TPC	17	1.00		0.094	2.40	
	HMC4202		328	100	4.2	1.9	(30x0.25) TPC	16	1.50		0.106	2.70	
	HMC4203		328	100	6.4	2.9	(50x0.30) TPC	14	2.50		0.126	3.20	
	HMC4204		328	100	9.7	4.4	(56x0.30) TPC	12	4		0.157	4.00	
	HMC4205		328	100	13.7	6.2	(84x0.30) TPC	10	6		0.181	4.60	
	HMC4206		328	100	27.3	12.4	(80x0.40) TPC	8	10		0.256	6.50	
	HMC4207		328	100	40.8	18.5	(128x0.40) TPC	6	16		0.303	7.70	
	HMC4208		328	100	61.9	28.1	(200x0.40) TPC	4	25		0.374	9.50	
	HMC4209		on request		840.0	381.0	(280x0.40) TPC	2	35		0.429	10.90	
	HMC4210		on request		1181.7	536.0	(400x0.40) TPC	1	50		0.500	12.70	
	HMC4211		on request		1640.2	744.0	(356x0.50) TPC	2/0	70		0.575	14.60	
	HMC4212		on request		2180.3	989.0	(485x0.50) TPC	3/0	95		0.685	17.40	
	HMC4213		on request		2691.8	1221.0	(614x0.50) TPC	4/0	120		0.744	18.90	
	HMC4214		on request		3353.2	1521.0	(765x0.50) TPC	300 MCM	150		0.815	20.70	
	HMC4215		on request		4186.5	1899.0	(944x0.50) TPC	350 MCM	185		0.925	23.50	
	HMC4216		on request		5732.0	2600.0	(1225x0.50) TPC	500 MCM	240		1.047	26.60	
	Weights for “on request” are for 1 km												
180°C • 20 - 12 AWG • Solid Tin-Plated Copper Wire													
Silicone Halogen-Free Insulation (Brown, Red, Orange, Yellow, Green, Violet, Grey, White, Black and Blue)													
		IEC 60754-1 VDE 0282 Part 1								Unshielded			For wiring at high ambient temperatures, e.g. - Lighting - Domestic appliances - Instrumentation engineering - Mechanical engineering
	HMC4217		328	100	1.8	0.8	(1x0.80) TPC	20	0.50		0.079	2.00	
	HMC4218		328	100	2.4	1.1	(1x0.98) TPC	18	0.75		0.083	2.10	
	HMC4219		328	100	2.9	1.3	(1x1.13) TPC	17	1.00		0.091	2.30	
	HMC4220		328	100	4.0	1.8	(1x1.38) TPC	16	1.50		0.098	2.50	
	HMC4221		328	100	6.4	2.9	(1x1.78) TPC	14	2.50		0.122	3.10	
	HMC4222		328	100	9.9	4.5	(1x2.26) TPC	12	4		0.150	3.80	
	Weights for “on request” are for 1 km												

TPC = Tin-Plated Copper • DCR = DC resistance

Silicone Rubber (H05S)

Braidless

300/500V, 180°C, peak temp 250°C

Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD AWG	Nominal Conductor OD Section mm²	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Application
180°C • 20 - 14 AWG • Stranded Tin-Plated Copper Wire													
Silicone Halogen-Free Insulation (Brown, Red, Orange, Yellow, Green, Violet, Grey, White, Black and Blue)													
		IEC 60754-1 VDE 0282 Part 3								Unshielded			For wiring in electrical appliances and lighting up to a maximum operating temperature of 180°C.
 H05S-K													
	HMC4223		328	100	2.6	1.2	(16x0.20) TPC	20	0.50		0.098	2.50	
	HMC4224		328	100	3.3	1.5	(24x0.20) TPC	18	0.75		0.106	2.70	
	HMC4225		328	100	3.7	1.7	(32x0.20) TPC	17	1.00		0.110	2.80	
	HMC4226		328	100	5.5	2.5	(30x0.25) TPC	16	1.50		0.130	3.30	
	HMC4227		328	100	8.2	3.7	(50x0.25) TPC	14	2.50		0.154	3.90	
180°C • 20 - 14 AWG • Solid Tin-Plated Copper Wire													
Silicone Halogen-Free Insulation (Brown, Red, Orange, Yellow, Green, Violet, Grey, White, Black and Blue)													
		IEC 60754-1 VDE 0282 Part 3								Unshielded			
 H05S-U													
	HMC4228		328	100	2.4	1.1	(1x0.80) TPC	20	0.50		0.094	2.40	
	HMC4229		328	100	3.1	1.4	(1x0.98) TPC	18	0.75		0.098	2.50	
	HMC4230		328	100	3.7	1.7	(1x1.13) TPC	17	1.00		0.106	2.70	
	HMC4231		328	100	5.3	2.4	(1x1.38) TPC	16	1.50		0.122	3.10	
	HMC4232		328	100	7.9	3.6	(1x1.78) TPC	14	2.50		0.146	3.70	

TPC = Tin-Plated Copper • DCR = DC resistance

Silicone Rubber (VDE approved)

Braidless

300/300V, 180°C, peak temp 250°C

Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm²		inch	mm	
180°C • 20 - 14 AWG • Stranded Tin-Plated Copper Wire													
Silicone Halogen-Free Insulation (Brown, Red, Orange, Yellow, Green, Violet, Grey, White, Black and Blue) • **VDE reg. no. N2GFA resp. (N)2GFA**													
		IEC 60754-1 VDE 0282 Part 1								Unshielded			For wiring in electrical appliances and lighting up to a maximum operating temperature of 180°C.
	HMC4233	1000	305	6.0	2.7	(16x0.20) TPC		20	0.50		0.083	2.10	
	HMC4234	1000	305	7.4	3.4	(24x0.20) TPC		18	0.75		0.091	2.30	
	HMC4235	1000	305	9.4	4.3	(32x0.20) TPC		17	1.00		0.094	2.40	
	HMC4236	1000	305	13.4	6.1	(30x0.25) TPC		16	1.50		0.114	2.90	
	HMC4237	1000	305	21.5	9.8	(50x0.25) TPC		14	2.50		0.138	3.50	
180°C • 20 - 14 AWG • Solid Tin-Plated Copper Wire													
Silicone Halogen-Free Insulation (Brown, Red, Orange, Yellow, Green, Violet, Grey, White, Black and Blue) • **VDE reg. no. N2GFA resp. (N)2GFA**													
		IEC 60754-1 VDE 0282 Part 1								Unshielded			
N2GFA													
	HMC4238	1000	305	5.4	2.4	(1x0.80) TPC		20	0.50		0.079	2.00	
	HMC4239	1000	305	7.4	3.4	(1x0.98) TPC		18	0.75		0.083	2.10	
	HMC4240	1000	305	8.7	4.0	(1x1.13) TPC		17	1.00		0.091	2.30	
	HMC4241	1000	305	12.1	5.5	(1x1.38) TPC		16	1.50		0.106	2.70	
	HMC4242	1000	305	19.5	8.8	(1x1.78) TPC		14	2.50		0.130	3.30	

TPC = Tin-Plated Copper • DCR = DC resistance

Silicone Rubber (Superflex)

Braidless

300/500V, 180°C, peak temp 250°C

Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD AWG	Nominal Conductor OD Section mm²	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Application
180°C • 24 - 2 AWG • Stranded Tin-Plated Copper Wire													
Silicone Halogen-Free Insulation (Brown, Red, Orange, Yellow, Green, Violet, Grey, White, Black and Blue)													
		IEC 60754-1 VDE 0282 Part 1								Unshielded			For wiring at high ambient temperatures, e.g. - Lighting - Domestic appliances - Instrumentation engineering - Mechanical engineering
	HMC4243	1640	500	6.6	3.0	(128x0.05) TPC	24	0.25		0.071	1.80	
	HMC4244	1640	500	11.0	5.0	(256x0.05) TPC	20	0.50		0.087	2.20	
	HMC4245	1640	500	13.2	6.0	(384x0.05) TPC	18	0.75		0.094	2.40	
	HMC4246	1640	500	17.6	8.0	(512x0.05) TPC	17	1.00		0.106	2.70	
	HMC4247	1640	500	24.3	11.0	(392x0.07) TPC	16	1.50		0.122	3.10	
	HMC4248	1640	500	38.6	17.5	(651x0.07) TPC	14	2.50		0.150	3.80	
	HMC4249	1640	500	58.4	26.5	(1040x0.07) TPC	12	4		0.185	4.70	
	HMC4250	1640	500	83.8	38.0	(1560x0.07) TPC	10	6		0.205	5.20	
	HMC4251	1640	500	135.6	61.5	(2600x0.07) TPC	8	10		0.276	7.00	
	HMC4252	1640	500	208.3	94.5	(2048x0.10) TPC	6	16		0.335	8.50	
	HMC4253	1640	500	320.8	145.5	(3200x0.10) TPC	4	25		0.402	10.20	
	HMC4254	1640	500	445.3	202.0	(1120x0.20) TPC	2	35		0.465	11.80	

TPC = Tin-Plated Copper • DCR = DC resistance

Silicone Rubber (H05SJ-K)

Glass Braid
300/500V, 180°C

Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD AWG	Nominal Conductor OD Section mm²	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Application

180°C • 20 AWG - 350 MCM • Stranded Tin-Plated Copper Wire

White Halogen-Free Silicone Insulation • Silicone-Impregnated Glass-Fiber Braid

IEC 60754-1
VDE 0282
Part 1

Overall
Glass-Fiber Braid

For internal wiring at high ambient temperatures, e.g.
- Lighting
- Domestic appliances
- Mechanical engineering

Identification tracer

HMC4255	328	100	2.6	1.2	(16x0.20) TPC	20	0.50	0.106	2.70	
HMC4256	328	100	3.3	1.5	(24x0.20) TPC	18	0.75	0.114	2.90	
HMC4257	328	100	4.0	1.8	(32x0.20) TPC	17	1.00	0.118	3.00	
HMC4258	328	100	4.9	2.2	(30x0.25) TPC	16	1.50	0.138	3.50	
HMC4259	328	100	7.7	3.5	(50x0.25) TPC	14	2.50	0.161	4.10	
HMC4260	328	100	10.8	4.9	(56x0.30) TPC	12	4	0.181	4.60	
HMC4261	328	100	15.0	6.8	(84x0.30) TPC	10	6	0.205	5.20	
HMC4262	328	100	28.9	13.1	(80x0.40) TPC	8	10	0.283	7.20	
HMC4263	328	100	43.4	19.7	(128x0.40) TPC	6	16	0.331	8.40	
HMC4264	164	50	32.5	14.8	(200x0.40) TPC	4	25	0.402	10.20	
HMC4265	164	50	43.4	19.7	(280x0.40) TPC	2	35	0.457	11.60	
HMC4266	164	50	60.6	27.5	(400x0.40) TPC	1	50	0.528	13.40	
HMC4267	164	50	83.9	38.1	(356x0.50) TPC	2/0	70	0.602	15.30	
HMC4268	on request		2211.2	1003.0	(485x0.50) TPC	3/0	95	0.713	18.10	
HMC4269	on request		2731.5	1239.0	(614x0.50) TPC	4/0	120	0.772	19.60	
HMC4270	on request		3386.3	1536.0	(765x0.50) TPC	300 MCM	150	0.843	21.40	
HMC4271	on request		4241.7	1924.0	(944x0.50) TPC	350 MCM	185	0.953	24.20	

Weights for “on request” are for 1 km

180°C • 20 - 8 AWG • Solid Tin-Plated Copper Wire

White Halogen-Free Silicone Insulation • Silicone-impregnated Glass-Fiber Braid

IEC 60754-1
VDE 0282
Part 1

Overall
Glass-Fiber Braid

Identification tracer

HMC4272	328	100	2.4	1.1	(1x0.80) TPC	20	0.50*	0.102	2.60	
HMC4273	328	100	3.1	1.4	(1x0.98) TPC	18	0.75*	0.106	2.70	
HMC4274	328	100	4.0	1.8	(1x1.13) TPC	17	1.00	0.114	2.90	
HMC4275	328	100	5.3	2.4	(1x1.38) TPC	16	1.50	0.150	3.80	
HMC4276	328	100	7.7	3.5	(1x1.78) TPC	14	2.50	0.154	3.90	
HMC4277	328	100	11.5	5.2	(1x2.26) TPC	12	4	0.173	4.40	
HMC4278	328	100	16.3	7.4	(1x2.78) TPC	10	6	0.193	4.90	
HMC4279	328	100	26.7	12.1	(1x3.60) TPC	8	10	0.248	6.30	

* = according to VDE 0282 part 3

TPC = Tin-Plated Copper • DCR = DC resistance

Silicone Rubber

Multicore Cables

300/500V, 180°C, peak temp 250°C

Description	Part No.	No. of Cond. (CDR)	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD AWG	Nominal Conductor OD Section mm²	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Application
180°C • 18 - 14 AWG • Stranded Tinned Copper Wire													
Silicone Halogen-Free Insulation (Color Code: see chart 11, Tech Info Section) • **Overall Red-Brown FRNC/LSNH Jacket**													
		IEC 60754-1 VDE 0282 Part 1								Unshielded			Industrial areas with increased temperature requirements, e.g. - Mechanical engineering - Traffic technology - Lighting industry - Sauna and solarium - Glass and ceramic fabrication - Steel and iron fabrication
Also available on request with Bare Copper conductor for 135°C.													
HMC0040	2	1640	500	55.1	25.0	(24x0.20) TC		18	0.75		0.240	6.10	
HMC0041	3	1640	500	68.3	31.0	(24x0.20) TC		18	0.75		0.260	6.60	
HMC0042	4	1640	500	79.4	36.0	(24x0.20) TC		18	0.75		0.283	7.20	
HMC0043	5	1640	500	108.0	49.0	(24x0.20) TC		18	0.75		0.319	8.10	
HMC0044	2	1640	500	70.5	32.0	(32x0.20) TC		17	1.00		0.260	6.60	
HMC0045	3	1640	500	80.5	36.5	(32x0.20) TC		17	1.00		0.276	7.00	
HMC0046	4	1640	500	97.0	44.0	(32x0.20) TC		17	1.00		0.299	7.60	
HMC0047	5	1640	500	115.7	52.5	(32x0.20) TC		17	1.00		0.335	8.50	
HMC0048	2	1640	500	92.6	42.0	(30x0.25) TC		16	1.50		0.307	7.80	
HMC0049	3	1640	500	111.3	50.5	(30x0.25) TC		16	1.50		0.323	8.20	
HMC0050	4	1640	500	138.9	63.0	(30x0.25) TC		16	1.50		0.358	9.10	
HMC0051	5	1640	500	173.1	78.5	(30x0.25) TC		16	1.50		0.394	10.00	
HMC0052	2	1640	500	136.7	62.0	(50x0.25) TC		14	2.50		0.362	9.20	
HMC0053	3	1640	500	173.1	78.5	(50x0.25) TC		14	2.50		0.382	9.70	
HMC0054	4	1640	500	216.1	98.0	(50x0.25) TC		14	2.50		0.425	10.80	
HMC0055	5	1640	500	262.3	119.0	(50x0.25) TC		14	2.50		0.472	12.0	

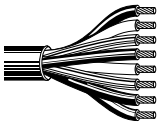
TC = Tinned Copper • DCR = DC resistance

Silicone Rubber

Multicore Cables

300/500V, 180°C, peak temp 250°C

Description	Part No.	No. of Cond. (CDR)	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD AWG	Nominal Conductor OD Section mm²	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Application
180°C • 18 - 14 AWG • Stranded Tinned Copper Wire													
Silicone Halogen-Free Insulation (Color Code: see chart 11, Tech Info Section) • **Overall Red-Brown FRNC/LSNH Jacket**													
	IEC 60754-1 VDE 0282 Part 1									Unshielded			Industrial areas with increased temperature requirements and VDE-approval, e.g. - Mechanical engineering - Traffic technology - Lighting industry - Sauna and solarium - Glass and ceramic fabrication - Steel and iron fabrication
HMC0056	6	1640	500	122.4	55.5	(24x0.20) TC	18	0.75		0.343	8.70	
HMC0057	7	1640	500	124.6	56.5	(24x0.20) TC	18	0.75		0.343	8.70	
HMC0058	8	1640	500	145.5	66.0	(24x0.20) TC	18	0.75		0.378	9.60	
HMC0059	10	1640	500	178.6	81.0	(24x0.20) TC	18	0.75		0.429	10.90	
HMC0060	12	1640	500	203.9	92.5	(24x0.20) TC	18	0.75		0.449	11.40	
HMC0061	14	1640	500	239.2	108.5	(24x0.20) TC	18	0.75		0.492	12.50	
HMC0062	16	1640	500	273.4	124.0	(24x0.20) TC	18	0.75		0.520	13.20	
HMC0063	18	1640	500	309.7	140.5	(24x0.20) TC	18	0.75		0.555	14.10	
HMC0064	20	1640	500	325.2	147.5	(24x0.20) TC	18	0.75		0.571	14.50	
HMC0065	24	1640	500	390.2	177.0	(24x0.20) TC	18	0.75		0.634	16.10	
HMC0066	25	1640	500	425.5	193.0	(24x0.20) TC	18	0.75		0.673	17.10	
HMC0067	6	1640	500	143.3	65.0	(32x0.20) TC	17	1.00		0.374	9.50	
HMC0068	7	1640	500	157.6	71.5	(32x0.20) TC	17	1.00		0.374	9.50	
HMC0069	8	1640	500	176.4	80.0	(32x0.20) TC	17	1.00		0.402	10.20	
HMC0070	10	1640	500	216.1	98.0	(32x0.20) TC	17	1.00		0.457	11.60	
HMC0071	12	1640	500	246.9	112.0	(32x0.20) TC	17	1.00		0.484	12.30	
HMC0072	14	1640	500	288.8	131.0	(32x0.20) TC	17	1.00		0.531	13.50	
HMC0073	16	1640	500	329.6	149.5	(32x0.20) TC	17	1.00		0.559	14.20	
HMC0074	18	1640	500	374.8	170.0	(32x0.20) TC	17	1.00		0.598	15.20	
HMC0075	20	1640	500	396.8	180.0	(32x0.20) TC	17	1.00		0.614	15.60	
HMC0076	24	1640	500	472.9	214.5	(32x0.20) TC	17	1.00		0.681	17.30	
HMC0077	25	1640	500	503.8	228.5	(32x0.20) TC	17	1.00		0.724	18.40	
HMC0078	6	1640	500	201.7	91.5	(30x0.25) TC	16	1.50		0.437	11.10	
HMC0079	7	1640	500	211.6	96.0	(30x0.25) TC	16	1.50		0.437	11.10	
HMC0080	8	1640	500	251.3	114.0	(30x0.25) TC	16	1.50		0.480	12.20	
HMC0081	10	1640	500	307.5	139.5	(30x0.25) TC	16	1.50		0.543	13.80	
HMC0082	12	1640	500	354.9	161.0	(30x0.25) TC	16	1.50		0.567	14.40	
HMC0083	14	1640	500	407.9	185.0	(30x0.25) TC	16	1.50		0.618	15.70	
HMC0084	16	1640	500	466.3	211.5	(30x0.25) TC	16	1.50		0.661	16.80	
HMC0085	18	1640	500	511.5	232.0	(30x0.25) TC	16	1.50		0.697	17.70	



TC = Tinned Copper • DCR = DC resistance

Silicone Rubber

Multicore Cables

300/500V, 180°C, peak temp 250°C

Description	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm²		inch	mm	
180°C • 18 - 14 AWG • Stranded Tinned Copper Wire *(continued)*													
Silicone Halogen-Free Insulation (Color Code: see chart 11, Tech Info Section) • **Overall Red-Brown FRNC/LSNH Jacket**													
		IEC 60754-1 VDE 0282 Part 1								Unshielded			Industrial areas with increased temperature requirements and VDE-approval, e.g. - Mechanical engineering - Traffic technology - Lighting industry - Sauna and solarium - Glass and ceramic fabrication - Steel and iron fabrication
	HMC0086	20	1640	500	565.5	256.5	(30x0.25) TC	16	1.50		0.724	18.40	
	HMC0087	24	1640	500	677.9	307.5	(30x0.25) TC	16	1.50		0.803	20.40	
	HMC0088	25	1640	500	720.9	327.0	(30x0.25) TC	16	1.50		0.850	21.60	
	HMC0089	6	1640	500	307.5	139.5	(50x0.25) TC	14	2.50		0.516	13.10	
	HMC0090	7	1640	500	319.7	145.0	(50x0.25) TC	14	2.50		0.516	13.10	
	HMC0091	8	1640	500	375.9	170.5	(50x0.25) TC	14	2.50		0.567	14.40	
	HMC0092	10	1640	500	458.6	208.0	(50x0.25) TC	14	2.50		0.642	16.30	
	HMC0093	12	1640	500	544.5	247.0	(50x0.25) TC	14	2.50		0.677	17.20	
	HMC0094	14	1640	500	621.7	282.0	(50x0.25) TC	14	2.50		0.740	18.80	
	HMC0095	16	1640	500	703.3	319.0	(50x0.25) TC	14	2.50		0.791	20.10	
	HMC0096	18	1640	500	736.3	334.0	(50x0.25) TC	14	2.50		0.831	21.10	
	HMC0097	20	1640	500	867.5	393.5	(50x0.25) TC	14	2.50		0.862	21.90	
	HMC0098	24	1640	500	1031.8	468.0	(50x0.25) TC	14	2.50		0.957	24.30	
	HMC0099	25	1640	500	1069.2	485.0	(50x0.25) TC	14	2.50		1.016	25.80	

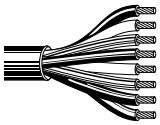
TC = Tinned Copper • DCR = DC resistance

Silicone Rubber (H05SS-F)

Multicore Cables

300/500V, 180°C, peak temp 250°C

Description	Part No.	No. of Cond. (CDR)	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD AWG	Nominal Conductor OD Section mm²	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Application
180°C • 18 - 10 AWG • Stranded Tinned Copper Wire													
Silicone Halogen-Free Insulation (Color Code: see chart 11, Tech Info Section) • **Overall Red-Brown FRNC/LSNH Jacket**													
	IEC 60754-1 VDE 0282 Part 15									Unshielded			Industrial areas with increased temperature requirements and VDE-approval, e.g. - Mechanical engineering - Traffic technology - Lighting industry - Sauna and solarium - Glass and ceramic fabrication - Steel and iron fabrication
HMC0100	2	1640	500	55.1	25.0	(24x0.20) TC	18	0.75		0.240	6.10	
HMC0101	3	1640	500	68.3	31.0	(24x0.20) TC	18	0.75		0.260	6.60	
HMC0102	4	1640	500	79.4	36.0	(24x0.20) TC	18	0.75		0.283	7.20	
HMC0103	5	1640	500	108.0	49.0	(24x0.20) TC	18	0.75		0.319	8.10	
HMC0104	2	1640	500	70.5	32.0	(32x0.20) TC	17	1.00		0.260	6.60	
HMC0105	3	1640	500	80.5	36.5	(32x0.20) TC	17	1.00		0.276	7.00	
HMC0106	4	1640	500	97.0	44.0	(32x0.20) TC	17	1.00		0.299	7.60	
HMC0107	5	1640	500	115.7	52.5	(32x0.20) TC	17	1.00		0.335	8.50	
HMC0108	2	1640	500	92.6	42.0	(30x0.25) TC	16	1.50		0.323	8.20	
HMC0109	3	1640	500	111.3	50.5	(30x0.25) TC	16	1.50		0.343	8.70	
HMC0110	4	1640	500	138.9	63.0	(30x0.25) TC	16	1.50		0.378	9.60	
HMC0111	5	1640	500	173.1	78.5	(30x0.25) TC	16	1.50		0.413	10.50	
HMC0112	2	1640	500	136.7	62.0	(50x0.25) TC	14	2.50		0.378	9.60	
HMC0113	3	1640	500	173.1	78.5	(50x0.25) TC	14	2.50		0.402	10.20	
HMC0114	4	1640	500	216.1	98.0	(50x0.25) TC	14	2.50		0.445	11.30	
HMC0115	5	1640	500	262.3	119.0	(50x0.25) TC	14	2.50		0.496	12.60	
HMC0116	3	1640	500	248.0	112.5	(56x0.30) TC	12	4		0.469	11.90	
HMC0117	4	1640	500	319.7	145.0	(56x0.30) TC	12	4		0.520	13.20	
HMC0118	3	1640	500	336.2	152.5	(84x0.30) TC	10	6		0.535	13.60	
HMC0119	4	1640	500	418.9	190.0	(84x0.30) TC	10	6		0.591	15.00	



TC = Tinned Copper • DCR = DC resistance

Silicone Rubber – Steel Wire Braid (SWB)

Multicore Cables

300/500V, 180°C, peak temp 250°C

Description	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm²		inch	mm	
180°C • 18 - 4/0 AWG • Stranded Tinned Copper Wire													
Silicone Halogen-Free Insulation (Color Code: see chart 11, Tech Info Section) • **Glass Fiber Tape** • **Overall Red-Brown FRNC/LSNH Jacket** • **SWB**													
		IEC 60754-1 VDE 0282 Part 1								Overall Glass Fiber Foil			Industrial areas with increased temperature and mechanical requirements, e.g. - Mechanical engineering - Glass and ceramic fabrication - Steel and iron fabrication
HMC0120	2	1640	500	97.0	44.0	(24x0.20) TC	18	0.75		0.283	7.20	
HMC0121	3	1640	500	109.1	49.5	(24x0.20) TC	18	0.75		0.299	7.60	
HMC0122	4	1640	500	133.4	60.5	(24x0.20) TC	18	0.75		0.319	8.10	
HMC0123	5	1640	500	162.0	73.5	(24x0.20) TC	18	0.75		0.362	9.20	
HMC0124	6	1640	500	186.3	84.5	(24x0.20) TC	18	0.75		0.390	9.90	
HMC0125	7	1640	500	196.2	89.0	(24x0.20) TC	18	0.75		0.390	9.90	
HMC0126	2	1640	500	108.0	49.0	(32x0.20) TC	17	1.00		0.299	7.60	
HMC0127	3	1640	500	131.2	59.5	(32x0.20) TC	17	1.00		0.315	8.00	
HMC0128	4	1640	500	153.2	69.5	(32x0.20) TC	17	1.00		0.346	8.80	
HMC0129	5	1640	500	184.1	83.5	(32x0.20) TC	17	1.00		0.382	9.70	
HMC0130	6	1640	500	203.9	92.5	(32x0.20) TC	17	1.00		0.409	10.40	
HMC0131	7	1640	500	213.8	97.0	(32x0.20) TC	17	1.00		0.409	10.40	
HMC0132	2	1640	500	138.9	63.0	(30x0.25) TC	16	1.50		0.327	8.30	
HMC0133	3	1640	500	157.6	71.5	(30x0.25) TC	16	1.50		0.343	8.70	
HMC0134	4	1640	500	187.4	85.0	(30x0.25) TC	16	1.50		0.378	9.60	
HMC0135	5	1640	500	218.3	99.0	(30x0.25) TC	16	1.50		0.409	10.40	
HMC0136	6	1640	500	270.1	122.5	(30x0.25) TC	16	1.50		0.449	11.40	
HMC0137	7	1640	500	282.2	128.0	(30x0.25) TC	16	1.50		0.449	11.40	
HMC0138	8	1640	500	347.2	157.5	(30x0.25) TC	16	1.50		0.500	12.70	
HMC0139	10	1640	500	407.9	185.0	(30x0.25) TC	16	1.50		0.551	14.00	
HMC0140	12	1640	500	449.7	204.0	(30x0.25) TC	16	1.50		0.571	14.50	
HMC0141	14	1640	500	519.2	235.5	(30x0.25) TC	16	1.50		0.614	15.60	
HMC0142	16	1640	500	596.3	270.5	(30x0.25) TC	16	1.50		0.669	17.00	
HMC0143	18	1640	500	660.3	299.5	(30x0.25) TC	16	1.50		0.701	17.80	
HMC0144	20	1640	500	694.4	315.0	(30x0.25) TC	16	1.50		0.720	18.30	
HMC0145	24	1640	500	837.7	380.0	(30x0.25) TC	16	1.50		0.803	20.40	
HMC0146	2	1640	500	181.9	82.5	(50x0.25) TC	14	2.50		0.382	9.70	
HMC0147	3	1640	500	262.3	119.0	(50x0.25) TC	14	2.50		0.402	10.20	
HMC0148	4	1640	500	295.4	134.0	(50x0.25) TC	14	2.50		0.453	11.50	

TC = Tinned Copper • DCR = DC resistance

Silicone Rubber – Steel Wire Braid (SWB)

Multicore Cables

300/500V, 180°C, peak temp 250°C

Description	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm²		inch	mm	

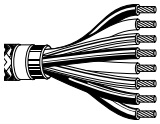
180°C • 18 - 4/0 AWG • Stranded Tinned Copper Wire *(continued)*

Silicone Halogen-Free Insulation (Color Code: see chart 11, Tech Info Section) • **Glass Fiber Tape** • **Overall Red-Brown FRNC/LSNH Jacket** • **SWB**

IEC 60754-1
VDE 0282
Part 1

Overall
Glass Fiber Foil

Industrial areas with increased temperature and mechanical requirements, e.g.
- Mechanical engineering
- Glass and ceramic fabrication
- Steel and iron fabrication



HMC0149	5	1640	500	347.2	157.5	(50x0.25) TC	14	2.50		0.500	12.70	
HMC0150	6	1640	500	407.9	185.0	(50x0.25) TC	14	2.50		0.539	13.70	
HMC0151	7	1640	500	424.4	192.5	(50x0.25) TC	14	2.50		0.539	13.70	
HMC0152	12	1640	500	670.2	304.0	(50x0.25) TC	14	2.50		0.693	17.60	
HMC0153	2	1640	500	281.1	127.5	(56x0.30) TC	12	4		0.453	11.50	
HMC0154	3	1640	500	329.6	149.5	(56x0.30) TC	12	4		0.480	12.20	
HMC0155	4	1640	500	402.3	182.5	(56x0.30) TC	12	4		0.528	13.40	
HMC0156	5	1640	500	501.5	227.5	(56x0.30) TC	12	4		0.594	15.10	
HMC0157	6	1640	500	578.7	262.5	(56x0.30) TC	12	4		0.646	16.40	
HMC0158	7	1640	500	612.9	278.0	(56x0.30) TC	12	4		0.646	16.40	
HMC0159	2	1640	500	359.3	163.0	(84x0.30) TC	10	6		0.508	12.90	
HMC0160	3	1640	500	442.0	200.5	(84x0.30) TC	10	6		0.539	13.70	
HMC0161	4	1640	500	534.6	242.5	(84x0.30) TC	10	6		0.583	14.80	
HMC0162	5	1640	500	663.6	301.0	(84x0.30) TC	10	6		0.661	16.80	
HMC0163	6	1640	500	772.7	350.5	(84x0.30) TC	10	6		0.717	18.20	
HMC0164	7	1640	500	811.3	368.0	(84x0.30) TC	10	6		0.717	18.20	
HMC0165	2	1640	500	598.5	271.5	(80x0.40) TC	8	10		0.681	17.30	
HMC0166	3	1640	500	718.7	326.0	(80x0.40) TC	8	10		0.724	18.40	
HMC0167	4	1640	500	909.4	412.5	(80x0.40) TC	8	10		0.811	20.60	
HMC0168	5	1640	500	1088.0	493.5	(80x0.40) TC	8	10		0.886	22.50	
HMC0169	2	1640	500	824.5	374.0	(128x0.40) TC	6	16		0.795	20.20	
HMC0170	3	1640	500	1002.0	454.5	(128x0.40) TC	6	16		0.846	21.50	
HMC0171	4	1640	500	1304.0	591.5	(128x0.40) TC	6	16		0.921	23.40	
HMC0172	5	1640	500	1535.5	696.5	(128x0.40) TC	6	16		1.031	26.20	
HMC0173	2	1640	500	1153.0	523.0	(200x0.40) TC	4	25		0.937	23.80	
HMC0174	3	1640	500	1484.8	673.5	(200x0.40) TC	4	25		1.024	26.00	
HMC0175	4	1640	500	1849.7	839.0	(200x0.40) TC	4	25		1.114	28.30	
HMC0176	2	1640	500	1519.0	689.0	(280x0.40) TC	2	35		1.071	27.20	
HMC0177	3	1640	500	2034.8	923.0	(280x0.40) TC	2	35		1.142	29.00	

TC = Tinned Copper • DCR = DC resistance

Silicone Rubber – Steel Wire Braid (SWB)

Multicore Cables

300/500V, 180°C, peak temp 250°C

Description	Part No.	No. of Cond. (CDR)	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD AWG	Nominal Conductor OD Section mm²	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Application

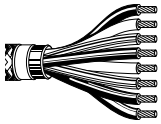
180°C • 18 - 4/0 AWG • Stranded Tinned Copper Wire *(continued)*

Silicone Halogen-Free Insulation (Color Code: see chart 11, Tech Info Section) • **Glass Fiber Tape • Overall Red-Brown FRNC/LSNH Jacket • SWB**

IEC 60754-1
VDE 0282
Part 1

Overall
Glass Fiber Foil

Industrial areas with increased temperature and mechanical requirements, e.g.
- Mechanical engineering
- Glass and ceramic fabrication
- Steel and iron fabrication



HMC0178	4	1640	500	2469.2	1120.0	(280x0.40) TC	2	35		1.272	32.30	
HMC0179	2	1640	500	2060.2	934.5	(400x0.40) TC	1	50		1.236	31.40	
HMC0180	3	1640	500	2627.9	1192.0	(400x0.40) TC	1	50		1.319	33.50	
HMC0181	4	1640	500	2978.4	1351.0	(400x0.40) TC	1	50		1.465	37.20	
HMC0182	2	1640	500	2735.9	1241.0	(356x0.50) TC	2/0	70		1.390	35.30	
HMC0183	3	1640	500	3653.0	1657.0	(356x0.50) TC	2/0	70		1.508	38.30	
HMC0184	4	1640	500	4490.8	2037.0	(356x0.50) TC	2/0	70		1.673	42.50	
HMC0185	2	1640	500	3725.8	1690.0	(485x0.50) TC	3/0	95		1.630	41.40	
HMC0186	3	1640	500	4738.8	2149.5	(485x0.50) TC	3/0	95		1.764	44.80	
HMC0187	4	1640	500	5885.2	2669.5	(485x0.50) TC	3/0	95		1.961	49.80	
HMC0188	3	1640	500	5816.8	2638.5	(614x0.50) TC	4/0	120		1.921	48.80	
HMC0189	4	1640	500	7243.2	3285.5	(614x0.50) TC	4/0	120		2.130	54.10	

TC = Tinned Copper • DCR = DC resistance

Silicone Rubber – Overall Braid

Multicore Cables

300/500V, 180°C, peak temp 250°C

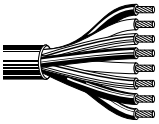
Description	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm²		inch	mm	
180°C • 18 - 14 AWG • Stranded Tinned Copper Wire • Separator Foil • Overall Tinned Copper Braid													
Silicone Halogen-Free Insulation (Color Code: see chart 11, Tech Info Section) • **Overall Red-Brown FRNC/LSNH Jacket**													
		IEC 60754-1 VDE 0282 Part 1								Overall > 85% TC Braid			Industrial areas with increased temperature and mechanical requirements, e.g. - Mechanical engineering - Traffic technology - Lighting industry - Glass and ceramic fabrication - Steel and iron fabrication
	HMC0190	2	1640	500	100.3	45.5	(24x0.20) TC	18	0.75		0.287	7.30	
	HMC0191	3	1640	500	120.2	54.5	(24x0.20) TC	18	0.75		0.299	7.60	
	HMC0192	4	1640	500	141.1	64.0	(24x0.20) TC	18	0.75		0.323	8.20	
	HMC0193	5	1640	500	170.9	77.5	(24x0.20) TC	18	0.75		0.350	8.90	
	HMC0194	7	1640	500	209.4	95.0	(24x0.20) TC	18	0.75		0.386	9.80	
	HMC0195	2	1640	500	114.6	52.0	(32x0.20) TC	17	1.00		0.315	8.00	
	HMC0196	3	1640	500	136.7	62.0	(32x0.20) TC	17	1.00		0.331	8.40	
	HMC0197	4	1640	500	157.6	71.5	(32x0.20) TC	17	1.00		0.354	9.00	
	HMC0198	5	1640	500	201.7	91.5	(32x0.20) TC	17	1.00		0.382	9.70	
	HMC0199	7	1640	500	264.6	120.0	(32x0.20) TC	17	1.00		0.421	10.70	
	HMC0200	2	1640	500	132.3	60.0	(30x0.25) TC	16	1.50		0.339	8.60	
	HMC0201	3	1640	500	159.8	72.5	(30x0.25) TC	16	1.50		0.354	9.00	
	HMC0202	4	1640	500	210.5	95.5	(30x0.25) TC	16	1.50		0.390	9.90	
	HMC0203	5	1640	500	246.9	112.0	(30x0.25) TC	16	1.50		0.421	10.70	
	HMC0204	7	1640	500	297.6	135.0	(30x0.25) TC	16	1.50		0.453	11.50	
	HMC0205	2	1640	500	192.9	87.5	(50x0.25) TC	14	2.50		0.394	10.00	
	HMC0206	3	1640	500	233.7	106.0	(50x0.25) TC	14	2.50		0.413	10.50	
	HMC0207	4	1640	500	288.8	131.0	(50x0.25) TC	14	2.50		0.445	11.30	
	HMC0208	5	1640	500	337.3	153.0	(50x0.25) TC	14	2.50		0.484	12.30	
	HMC0209	7	1640	500	451.9	205.0	(50x0.25) TC	14	2.50		0.547	13.90	
	HMC0210	2	1640	500	251.3	114.0	(56x0.30) TC	12	4		0.449	11.40	
	HMC0211	3	1640	500	318.6	144.5	(56x0.30) TC	12	4		0.472	12.00	
	HMC0212	4	1640	500	414.5	188.0	(56x0.30) TC	12	4		0.535	13.60	
	HMC0213	5	1640	500	482.8	219.0	(56x0.30) TC	12	4		0.583	14.80	
	HMC0214	7	1640	500	612.9	278.0	(56x0.30) TC	12	4		0.630	16.00	

TC = Tinned Copper • DCR = DC resistance

Silicone Rubber – Heavy Duty

Multicore Cables
300/500V, 180°C

Description	Part No.	No. of Cond. (CDR)	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD AWG	Nominal Conductor OD Section mm²	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Application
180°C • 18 - 10 AWG • Stranded Tinned Copper Wire													
Silicone Halogen-Free Insulation (Color Code: see chart 11, Tech Info Section) • **Overall Black FRNC/LSNH Jacket**													
		IEC 60754-1 VDE 0282 Part 1								Unshielded			Industrial areas with increased temperature requirements, e.g. - Traffic technology - Power plant technology - Mechanical engineering - Steel and iron fabrication
	HMC0215	2	1640	500	115.7	52.5	(24x0.20) TC	18	0.75		0.374	9.50	
	HMC0216	3	1640	500	130.1	59.0	(24x0.20) TC	18	0.75		0.386	9.80	
	HMC0217	4	1640	500	148.8	67.5	(24x0.20) TC	18	0.75		0.409	10.40	
	HMC0218	5	1640	500	173.1	78.5	(24x0.20) TC	18	0.75		0.437	11.10	
	HMC0219	6	1640	500	198.4	90.0	(24x0.20) TC	18	0.75		0.461	11.70	
	HMC0220	7	1640	500	202.8	92.0	(24x0.20) TC	18	0.75		0.461	11.70	
	HMC0221	2	1640	500	127.9	58.0	(32x0.20) TC	17	1.00		0.386	9.80	
	HMC0222	3	1640	500	145.5	66.0	(32x0.20) TC	17	1.00		0.402	10.20	
	HMC0223	4	1640	500	167.5	76.0	(32x0.20) TC	17	1.00		0.425	10.80	
	HMC0224	5	1640	500	197.3	89.5	(32x0.20) TC	17	1.00		0.453	11.50	
	HMC0225	6	1640	500	224.9	102.0	(32x0.20) TC	17	1.00		0.484	12.30	
	HMC0226	7	1640	500	232.6	105.0	(32x0.20) TC	17	1.00		0.484	12.30	
	HMC0227	2	1640	500	157.6	71.5	(30x0.25) TC	16	1.50		0.425	10.80	
	HMC0228	3	1640	500	181.9	82.5	(30x0.25) TC	16	1.50		0.441	11.20	
	HMC0229	4	1640	500	211.6	96.0	(30x0.25) TC	16	1.50		0.469	11.90	
	HMC0230	5	1640	500	252.4	114.5	(30x0.25) TC	16	1.50		0.504	12.80	
	HMC0231	6	1640	500	276.7	125.5	(30x0.25) TC	16	1.50		0.539	13.70	
	HMC0232	7	1640	500	299.8	136.0	(30x0.25) TC	16	1.50		0.539	13.70	
	HMC0233	8	1640	500	340.6	154.5	(30x0.25) TC	16	1.50		0.575	14.60	
	HMC0234	10	1640	500	403.4	183.0	(30x0.25) TC	16	1.50		0.630	16.00	
	HMC0235	12	1640	500	453.0	205.5	(30x0.25) TC	16	1.50		0.654	16.60	
	HMC0236	14	1640	500	513.7	233.0	(30x0.25) TC	16	1.50		0.697	17.70	
	HMC0237	16	1640	500	573.2	260.0	(30x0.25) TC	16	1.50		0.732	18.60	
	HMC0238	18	1640	500	636.0	288.5	(30x0.25) TC	16	1.50		0.768	19.50	
	HMC0239	20	1640	500	679.0	308.0	(30x0.25) TC	16	1.50		0.787	20.00	
	HMC0240	24	1640	500	794.8	360.5	(30x0.25) TC	16	1.50		0.858	21.80	
	HMC0241	30	1640	500	951.3	431.5	(30x0.25) TC	16	1.50		0.925	23.50	
	HMC0242	2	1640	500	206.1	93.5	(50x0.25) TC	14	2.50		0.472	12.00	
	HMC0243	3	1640	500	243.6	110.5	(50x0.25) TC	14	2.50		0.492	12.50	

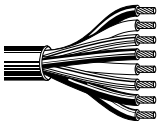


TC = Tinned Copper • DCR = DC resistance

Silicone Rubber – Heavy Duty

Multicore Cables
300/500V, 180°C

Description	Part No.	No. of Cond. (CDR)	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm²		inch	mm	
180°C • 18 - 10 AWG • Stranded Tinned Copper Wire *(continued)*													
Silicone Halogen-Free Insulation (Color Code: see chart 11, Tech Info Section) • **Overall Black FRNC/LSNH Jacket**													
		IEC 60754-1 VDE 0282 Part 1								Unshielded			Industrial areas with increased temperature requirements, e.g. - Traffic technology - Power plant technology - Mechanical engineering - Steel and iron fabrication
	HMC0244	4	1640	500	287.7	130.5	(50x0.25) TC	14	2.50		0.528	13.40	
	HMC0245	5	1640	500	343.9	156.0	(50x0.25) TC	14	2.50		0.567	14.40	
	HMC0246	6	1640	500	401.2	182.0	(50x0.25) TC	14	2.50		0.610	15.50	
	HMC0247	7	1640	500	421.1	191.0	(50x0.25) TC	14	2.50		0.610	15.50	
	HMC0248	12	1640	500	658.1	298.5	(50x0.25) TC	14	2.50		0.748	19.00	
	HMC0249	24	1640	500	1169.5	530.5	(50x0.25) TC	14	2.50		0.996	25.30	
	HMC0250	30	1640	500	1352.5	613.5	(50x0.25) TC	14	2.50		1.083	27.50	
	HMC0251	2	1640	500	263.4	119.5	(56x0.30) TC	12	4		0.512	13.00	
	HMC0252	3	1640	500	317.5	144.0	(56x0.30) TC	12	4		0.535	13.60	
	HMC0253	4	1640	500	381.4	173.0	(56x0.30) TC	12	4		0.575	14.60	
	HMC0254	5	1640	500	465.2	211.0	(56x0.30) TC	12	4		0.622	15.80	
	HMC0255	6	1640	500	539.0	244.5	(56x0.30) TC	12	4		0.669	17.00	
	HMC0256	7	1640	500	571.0	259.0	(56x0.30) TC	12	4		0.669	17.00	
	HMC0257	2	1640	500	334.0	151.5	(84x0.30) TC	10	6		0.559	14.20	
	HMC0258	3	1640	500	409.0	185.5	(84x0.30) TC	10	6		0.587	14.90	
	HMC0259	4	1640	500	494.9	224.5	(84x0.30) TC	10	6		0.634	16.10	
	HMC0260	5	1640	500	610.7	277.0	(84x0.30) TC	10	6		0.685	17.40	
	HMC0261	6	1640	500	713.2	323.5	(84x0.30) TC	10	6		0.740	18.80	
	HMC0262	7	1640	500	751.8	341.0	(84x0.30) TC	10	6		0.740	18.80	



TC = Tinned Copper • DCR = DC resistance

Silicone Rubber – Heavy Duty, Overall Braid

Multicore Cables
300/500V, 180°C

Description	Part No.	No. of Cond. (CDR)	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD AWG	Nominal Conductor OD Section mm²	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Application
180°C • 18 - 10 AWG • Stranded Tinned Copper Wire • Glass Fiber Tape • Mica Tape • Overall Tinned Copper Braid													
Silicone Halogen-Free Insulation (Color Code: see chart 11, Tech Info Section) • **Overall Black FRNC/LSNH Jacket**													
		IEC 60754-1 VDE 0282 Part 1								Overall > 85% TC Braid			Industrial areas with increased temperature requirements, e.g. - Traffic technology - Power plant technology - Mechanical engineering - Steel and iron fabrication
HMC0263	2	1640	500	148.8	67.5	(24x0.20) TC	18	0.75		0.429	10.90	
HMC0264	3	1640	500	166.4	75.5	(24x0.20) TC	18	0.75		0.445	11.30	
HMC0265	4	1640	500	187.4	85.0	(24x0.20) TC	18	0.75		0.465	11.80	
HMC0266	5	1640	500	212.7	96.5	(24x0.20) TC	18	0.75		0.492	12.50	
HMC0267	6	1640	500	261.2	118.5	(24x0.20) TC	18	0.75		0.528	13.40	
HMC0268	7	1640	500	266.8	121.0	(24x0.20) TC	18	0.75		0.528	13.40	
HMC0269	2	1640	500	160.9	73.0	(32x0.20) TC	17	1.00		0.445	11.30	
HMC0270	3	1640	500	180.8	82.0	(32x0.20) TC	17	1.00		0.461	11.70	
HMC0271	4	1640	500	206.1	93.5	(32x0.20) TC	17	1.00		0.484	12.30	
HMC0272	5	1640	500	241.4	109.5	(32x0.20) TC	17	1.00		0.520	13.20	
HMC0273	6	1640	500	288.8	131.0	(32x0.20) TC	17	1.00		0.547	13.90	
HMC0274	7	1640	500	296.5	134.5	(32x0.20) TC	17	1.00		0.547	13.90	
HMC0275	2	1640	500	203.9	92.5	(30x0.25) TC	16	1.50		0.480	12.20	
HMC0276	3	1640	500	249.1	113.0	(30x0.25) TC	16	1.50		0.508	12.90	
HMC0277	4	1640	500	288.8	131.0	(30x0.25) TC	16	1.50		0.535	13.60	
HMC0278	5	1640	500	334.0	151.5	(30x0.25) TC	16	1.50		0.567	14.40	
HMC0279	6	1640	500	380.3	172.5	(30x0.25) TC	16	1.50		0.602	15.30	
HMC0280	7	1640	500	392.4	178.0	(30x0.25) TC	16	1.50		0.602	15.30	
HMC0281	8	1640	500	469.6	213.0	(30x0.25) TC	16	1.50		0.646	16.40	
HMC0282	10	1640	500	533.5	242.0	(30x0.25) TC	16	1.50		0.701	17.80	
HMC0283	12	1640	500	607.4	275.5	(30x0.25) TC	16	1.50		0.724	18.40	
HMC0284	14	1640	500	668.0	303.0	(30x0.25) TC	16	1.50		0.772	19.60	
HMC0285	16	1640	500	737.4	334.5	(30x0.25) TC	16	1.50		0.803	20.40	
HMC0286	18	1640	500	817.9	371.0	(30x0.25) TC	16	1.50		0.839	21.30	
HMC0287	20	1640	500	864.2	392.0	(30x0.25) TC	16	1.50		0.858	21.80	
HMC0288	24	1640	500	1029.5	467.0	(30x0.25) TC	16	1.50		0.929	23.60	
HMC0289	30	1640	500	1209.2	548.5	(30x0.25) TC	16	1.50		1.000	25.40	
HMC0290	2	1640	500	271.2	123.0	(50x0.25) TC	14	2.50		0.535	13.60	
HMC0291	3	1640	500	316.4	143.5	(50x0.25) TC	14	2.50		0.559	14.20	
HMC0292	4	1640	500	372.6	169.0	(50x0.25) TC	14	2.50		0.594	15.10	
HMC0293	5	1640	500	466.3	211.5	(50x0.25) TC	14	2.50		0.642	16.30	

TC = Tinned Copper • DCR = DC resistance

Silicone Rubber – Heavy Duty, Overall Braid

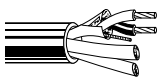
Multicore Cables
300/500V, 180°C

Description	Part No.	No. of Cond. (CDR)	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD AWG	Nominal Conductor OD Section mm²	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Application
180°C • 18 - 10 AWG • Stranded Tinned Copper Wire • Glass Fiber Tape • Mica Tape • Overall Tinned Copper Braid *(continued)*													
Silicone Halogen-Free Insulation (Color Code: see chart 11, Tech Info Section) • **Overall Black FRNC/LSNH Jacket**													
	IEC 60754-1 VDE 0282 Part 1									Overall > 85% TC Braid			Industrial areas with increased temperature requirements, e.g. - Traffic technology - Power plant technology - Mechanical engineering - Steel and iron fabrication
	HMC0294	6	1640	500	529.1	240.0	(50x0.25) TC	14	2.50		0.681	17.30	
	HMC0295	7	1640	500	548.9	249.0	(50x0.25) TC	14	2.50		0.681	17.30	
	HMC0296	12	1640	500	831.1	377.0	(50x0.25) TC	14	2.50		0.823	20.90	
	HMC0297	24	1640	500	1434.1	650.5	(50x0.25) TC	14	2.50		1.071	27.20	
	HMC0298	30	1640	500	1733.9	786.5	(50x0.25) TC	14	2.50		1.154	29.30	
	HMC0299	2	1640	500	306.4	139.0	(56x0.30) TC	12	4		0.575	14.60	
	HMC0300	3	1640	500	372.6	169.0	(56x0.30) TC	12	4		0.602	15.30	
	HMC0301	4	1640	500	471.8	214.0	(56x0.30) TC	12	4		0.650	16.50	
	HMC0302	5	1640	500	562.2	255.0	(56x0.30) TC	12	4		0.693	17.60	
	HMC0303	6	1640	500	640.4	290.5	(56x0.30) TC	12	4		0.740	18.80	
	HMC0304	7	1640	500	681.2	309.0	(56x0.30) TC	12	4		0.740	18.80	
	HMC0305	2	1640	500	402.3	182.5	(84x0.30) TC	10	6		0.630	16.00	
	HMC0306	3	1640	500	489.4	222.0	(84x0.30) TC	10	6		0.661	16.80	
	HMC0307	4	1640	500	585.3	265.5	(84x0.30) TC	10	6		0.705	17.90	
	HMC0308	5	1640	500	714.3	324.0	(84x0.30) TC	10	6		0.760	19.30	
	HMC0309	6	1640	500	827.8	375.5	(84x0.30) TC	10	6		0.811	20.60	
	HMC0310	7	1640	500	871.9	395.5	(84x0.30) TC	10	6		0.811	20.60	

TC = Tinned Copper • DCR = DC resistance

Audio, Control and Instrumentation Cables

Low-Smoke Zero-Halogen

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code
22 AWG • Stranded (7x30) 0.8 mm Tinned Copper • Twisted Pair • Overall **Beldfoil®** Shield • 22 AWG Tinned Copper Drain Wire																		
Polypropylene Insulation • Black FRNC/LSNH Jacket																		
300V RMS 150°C	**9451SB**	NEC: CEC: CMG-LS FT4 Limited Smoke	1000	305	20.0	9.1	0.76 mm 22 AWG (7x30) TC	0.046	1.16	Overall Beldfoil® + Drain Wire (22 AWG TC)	0.160	4.06	45	66%	CDR/CDR CDR/SCR	35 67	115.0 220.0	Black, Red
 0.34 mm² 1-Pair																		
The jacket and shield are bonded so both can be removed with automatic stripping equipment. Drain wire is inside foil shield.																		
22 AWG • Stranded (7x30) 0.8 mm Tinned Copper • Twisted Pair • **Beldfoil®** • 24 AWG Tinned Copper Drain Wire																		
Polypropylene Insulation • Black FRNC/LSNH Jacket																		
300V RMS 105°C	**8723SB**	NEC: CEC: CMG-LS FT4 Limited Smoke	1000	305	26.0	11.8	0.76 mm 22 AWG (7x30) TC	0.046	1.16	Individual Beldfoil® + Drain Wire (24 AWG TC)	0.196	4.98	45	66%	CDR/CDR CDR/SCR	35 67	115.0 220.0	Black & Red, Green & White
 2-Pair																		
Pairs cabled on common axis to reduce diameter.																		
22 AWG • Stranded (7x30) 0.8 mm Tinned Copper • Twisted Pair • **Beldfoil®** • 22 AWG Tinned Copper Drain Wire																		
Polypropylene Insulation • Black FRNC/LSNH Jacket																		
U300V RMS Non-Conduit	**8777SB**	NEC: CEC: CMG-LS FT4 Limited Smoke	† 500 U-1000 † 1000	152 305 305	19.6 38.1 39.0	8.9 17.3 17.7	0.76 mm 22 AWG (7x30) TC	0.050	1.26	Individual Beldfoil® + Drain Wire (22 AWG TC)	0.273	6.93	50	66%	CDR/CDR CDR/SCR	30 55	98.0 180.0	Black & Red, Black & White, Black & Green
 3-Pair																		

TC = Tinned Copper • DCR = DC resistance
† Spools are one piece, but length may vary 0% to +20% from length shown.

Broadband Coaxial Cables

CATV Cables, Series 6, Low-Smoke Zero-Halogen

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/100 ft.	Nominal Attenuation dB/100 m
Series 6 • 18 AWG • Solid 1.0 mm Copper-Covered Steel • **Duobond® II** • 60% Aluminum Braid																			
Gas-Injected Foam Polyethylene Insulation • Black FRNC/LSNH Jacket																			
75°C	**9116SB**	NEC: CEC: CMG-LS FT4 Limited Smoke	1000	305	31.1	14.1	1.02 mm 18 AWG Solid CCS 121.4 Ω/km* 91.9 Ω/km**	0.180	4.57	Duobond® II + 60% AL Braid 29.5 Ω/km*** 5.4 mm	0.274	6.96	75	83%	16.2	53.1	5 55 211 270 300 350 375 400 450 500 600 650 700 750 800 862 870 900 950 1000 1450 1800 2250 3000	0.54 1.45 2.64 2.97 3.13 3.39 3.52 3.65 3.88 4.09 4.51 4.72 4.92 5.11 5.27 5.47 5.49 5.60 5.79 5.99 7.80 8.60 9.82 11.31	1.77 4.76 8.66 9.74 10.27 11.12 11.55 11.97 12.73 13.42 14.80 15.49 16.14 16.76 17.29 17.95 18.01 18.37 19.00 19.65 25.60 28.20 32.20 37.10
		Sweep tested 5 MHz to 3 GHz																	

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • CCS = Copper-Covered Steel • AL = Aluminum

Precision Video Cable for Analog and Digital

Low Loss Serial Digital Coax, RG-6U Type, Low-Smoke Zero-Halogen

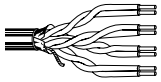
Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD Inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/100 ft.	Nominal Attenuation dB/100 m
RG-6/U Type • 18 AWG • Solid 1.0 mm Bare Copper • **Duofoil®** • 95% Tinned Copper Braid																			
Gas-injected Foam HDPE Insulation • Black FRNC/LSNH Jacket																			
SDI/HDTV Digital Video 75°C	**1694SB**	NEC: CEC: CMG-LS FT4 Limited Smoke	1000	305	46.0	20.9	1.02 mm 18 AWG Solid BC 30.2 Ω/km* 21.0 Ω/km**	0.180	4.57	Duofoil® + 95% TC Braid 9.2 Ω/km***	0.274	6.96	75	82%	16.2	53.1	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000 4500	0.2 0.5 0.7 1.6 2.1 3.0 3.4 4.2 4.9 5.0 5.9 7.3 9.1 10.7 13.3	0.8 1.5 2.4 5.2 6.9 9.7 11.3 13.9 16.2 16.4 19.3 24.0 30.0 35.0 43.6
		Sweep tested 5 MHz to 4.5 GHz																	

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • TC = Tinned Copper

Networking Cables

DataTwist® 5e ScTP, Low-Smoke Zero-Halogen

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Freq. MHz	Max. Atten. dB/100m	Min. PSUM NEXT dB	Min. PSUM ACR dB/100m	Min. PSUM ELFEXT dB/100m	ACR dB/100m	Min. RL dB
Cat 5e • 24 AWG • Twisted Pairs • Solid 0.5 mm BC • Overall **Beldfoil®** Shield • RJ-45 Compatible • 24 AWG TC Drain Wire • 100 Ohm ± 15 %																			
Polypropylene Insulation (Color Code: see chart below) • **Black FRNC/LSNH Jacket**																			
105°C	**1300SB**	NEC:	1000	305	35.1	15.9	0.51 mm	0.042	1.07	Non-	0.260	6.60	1	2.0	62.3	60.3	60.8	60.3	20.0
		CEC:					24 AWG			Bonded-Pair			4	4.1	53.3	49.2	48.7	49.2	23.0
		CMG-LS FT4					Solid BC			Unshielded			8	5.8	48.8	43.0	42.7	43.0	24.5
		Limited Smoke								Overall			10	6.5	47.3	40.8	40.8	40.8	25.0
										Beldfoil®			16	8.2	44.3	36.1	36.7	36.1	25.0
										+ Drain Wire			20	9.3	42.8	33.5	34.7	33.5	25.0
										(24 AWG TC)			25	10.4	41.3	30.9	32.8	30.9	24.3
													31.25	11.7	39.9	28.2	30.9	28.2	23.6
													62.5	17.0	35.4	18.4	24.8	18.4	21.5
													100	22.0	32.3	10.3	20.8	10.3	20.1
4-Pair																			



Shield is bonded to jacket inner wall for electrical stability.
Jacket sequentially marked at 0.6 m intervals. Third party verified to TIA/EIA-568-B.2, Category 5e

BC = Bare Copper • TC = Tinned Copper • ACR = Attenuation Crosstalk Ratio • DCR = DC resistance • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • ScTP = Screened (Overall Foil) Twisted Pair(s)

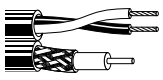
Color Code

Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

Security Composite Cables

CCTV plus Audio or Pan/Tilt/Zoom CCTV Control Applications
Low-Smoke Zero-Halogen

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Color code	Nominal OD inch	Nominal OD mm	Component	Description	Shielding Material & Nom. DCR	Insulation Material & Colors	Component Jacket Material & Colors	Component OD inch	Component OD mm
Composite • (1) Series 6 Coax • 2 Conductor (Audio) stranded																
FPE Coax Insulation • Polypropylene Pair Insulation • Black FRNC/LSNH Jacket																
75°C	**1306SB**	NEC:	500	152	37.0	16.8	Black & Red	0.514	13.06	1xAudio	1-Pair 18 AWG 1.2 mm (7x26) BC	Unshielded	Polypro-pylene	FRNC Black	0.239	6.07
		CEC:	1000	305	76.1	34.5										
		CMG-LS FT4								1xCCTV	Series 6 18 AWG 1.0 mm Solid BC	95% BC Braid	FPE	FRNC Black	0.275	6.99
		Limited Smoke														



Coax sweep tested to 2.25 GHz and jacket sequentially marked.
Third party verified to TIA/EIA-568-B.2, Category 5e

BC = Bare Copper • DCR = DC resistance

RiserLite® Loose Tube Indoor/Outdoor, Fiber Optic Cables#

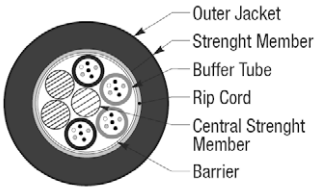
Single-Mode and Multimode-Riser-Rated, Low-Smoke Zero-Halogen

Description	Part No.	No. of Fibers	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Fiber Size µm	Nom. Buffer/Tube OD inch	Nom. Buffer/Tube OD mm	Strength Members	Nominal OD inch	Nominal OD mm	Central Element mm	Pulling Tension N	Crush Resistance kN/m	Energy kJ/m	Bending Radii Cable (mm) static	Bending Radii Cable (mm) dynamic

M9W • Loose Tube • Single-Mode

Synthetic Thixotropic Gel Construction • Overall Water-Blocking Tape • Black FRNC/LSNH Jacket

70°C	**M9W**830	6 (1x6)	Manufactured per Order	233.5	105.9	Ø 250 ± 15	0.07	1.90	Aramid Yarn	0.38	9.65	no	2700	20	–	145	193
	M9W831	12 (2x6)		233.5	105.9					0.38	9.65						
	M9W832	24 (4x6)		233.5	105.9					0.38	9.65						
	M9W834	48 (4x12)*		332.0	150.6					0.48	12.18						

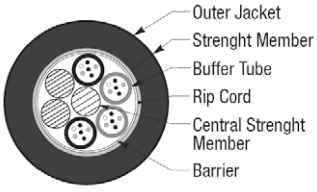


Construction: 6 fibers per tube, cabled with fillers. *12 fibers per tube

M9 • Loose Tube • Multimode 50/125 Grade 4

Synthetic Thixotropic Gel Construction • Overall Water-Blocking Tape • Black FRNC/LSNH Jacket

70°C	**M9**7537	2 (2x1)**	Manufactured per Order	233.5	105.9	Ø 250 ± 15	0.07	1.90	Aramid Yarn	0.38	9.65	no	2700	20	–	145	193
	M9A830	6 (1x6)		233.5	105.9					0.38	9.65						
	M9A831	12 (2x6)		233.5	105.9					0.38	9.65						
	M9A832	24 (4x6)		233.5	105.9					0.48	12.18						
	M9A834	48 (4x12)*		332.0	150.6												

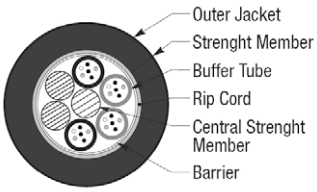


Construction: 6 fibers per tube, cabled with fillers. *12 fibers per tube, **1 fiber per tube

M9C • Loose Tube • Multimode 50/125 Grade 4

Synthetic Thixotropic Gel Construction • Overall Water-Blocking Tape • Black FRNC/LSNH Jacket

70°C	**M9C**830	6 (1x6)	Manufactured per Order	233.5	105.9	Ø 250 ± 15	0.07	1.90	Aramid Yarn	0.38	9.65	no	2700	20	–	145	193
	M9C831	12 (2x6)		233.5	105.9					0.38	9.65						
	M9C832	24 (4x6)		233.5	105.9					0.38	9.65						
	M9C834	48 (4x12)*		332.0	150.6					0.48	12.18						



Construction: 6 fibers per tube, cabled with fillers. *12 fibers per tube

Available in fiber counts 1 through 144, and in all glass types.

RiserLite® Loose Tube Indoor/Outdoor, Fiber Optic Cables#

Single-Mode and Multimode-Riser-Rated, Low-Smoke Zero-Halogen *(continued)*

Glass Types and Specifications	UOM	Single-Mode Fiber *	Multimode Grade 4	Multimode Grade 5
Operating Wavelength (Short) – nm	nm	1310	850	850
Operating Wavelength (Long) – nm	nm	1550	1300	1300
Min. OFL Bandwidth (@ Short Wavelength)	MHz-km	–	500	1500
Min. OFL Bandwidth (@ Long Wavelength)	MHz-km	–	500	500
Min. Laser Bandwidth (@ Short Wavelength)	MHz-km	–	510	2000
Min. Laser Bandwidth (@ Long Wavelength)	MHz-km	–	500	500
Max. Attenuation (@ Short Wavelength)	db/km	0.4	3.0	3.0
Max. Attenuation (@ Long Wavelength)	db/km	0.3	1.0	1.0
100 Mb/s Fast Ethernet Link Length @ WL = 850 nm	m	–	300	300
100 Mb/s Fast Ethernet Link Length @ WL = 1310 nm	m	5000	2000	2000
1 Gb/s Ethernet Link Length @ WL = 850 nm	m	–	600	1000**
1 Gb/s Ethernet Link Length @ WL = 1310 nm	m	5000	600	600
10 Gb/s Ethernet Link Length @ WL = 850 nm	m	–	82	300
10 Gb/s Ethernet Link Length @ WL = 1310 nm	m	10000	300	300

Available in fiber counts 1 through 144, and in all glass types.
* Low water peak single-mode suitable for CWDM use complies with ITU G.652.c/d.
** > 200 m for engineered links
OFL: Overfilled Launch
Laser bandwidth: effective modal bandwidth, determined by RML or DMD performance specifications
Other constructions and fiber-types available, up to 144 fibers.
Minimum order for each construction is 1000 meters. Bulk long reels, manufactured per order.
Operating temperature: -40°C to +70°C

Broadband Coax

Trunk Cables

BROADBAND

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Core OD (Dielectric) inch	Nominal Core OD (Dielectric) mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/100 ft.	Nominal Attenuation dB/100 m
Coax 3C • Solid 3.38 mm Bare Copper • **Copper-Foil** • 60 % Bare Copper Braid																			
Gas-Injected Polyethylene Insulation • Polyethylene Jacket (Black or Green)																			
70°C	**CX3C0**		2296	700	496.9	225.4	3.38 mm Solid BC 4.5 Ω/km* 1.9 Ω/km**	0.587	14.90	Cu-foil + 60 % BC Braid 2.6 Ω/km*** 15.8 mm	0.780	19.80	75	84 %	16.5	54.0	5	0.1	0.4
			3444	1050	745.4	338.1											50	0.4	1.3
																	100	0.5	1.8
																	230	0.9	2.9
																	400	1.2	3.9
																	800	1.7	5.7
																	862	1.8	5.9
																	1000	2.0	6.5
																	1350	2.3	7.7
																	1750	2.7	9.0
																	2150	3.1	10.2
																	2400	3.3	10.9
 FB20			Return loss at 5-470 MHz: ≥ 26 dB 470-1000 MHz: ≥ 23 dB 1000-2150 MHz: ≥ 18 dB							Screening attenuation at 30-1000 MHz: ≥ 100 dB Transfer impedance at 5-30 MHz: ≤ 0.8 mΩ/m Screening Class: A++ Pulling Tension: 1200 N										
70°C	**CX3C3**		2296	700	626.5	284.2	3.38 mm Solid BC 4.5 Ω/km* 1.9 Ω/km**	0.587	14.90	Cu-foil + 60 % BC Braid 2.6 Ω/km*** 15.8 mm	0.780	19.80 x 30.00	75	84 %	16.5	54.0			see above
 FB20			Return loss at 5-470 MHz: ≥ 26 dB 470-1000 MHz: ≥ 23 dB 1000-2150 MHz: ≥ 18 dB							Screening attenuation at 30-1000 MHz: ≥ 100 dB Transfer impedance at 5-30 MHz: ≤ 0.8 mΩ/m Screening Class: A++ Pulling Tension: 6000 N										
Available in Black. 7.2 mm ZP messenger																			
Gas-Injected Polyethylene Insulation • Grey FRNC/LSNH Jacket																			
70°C	**CX3C2**	IEC 332-1	2296	700	620.4	281.4	3.38 mm Solid BC 4.5 Ω/km* 1.9 Ω/km**	0.587	14.90	Cu-foil + 60 % BC Braid 2.6 Ω/km*** 15.8 mm	0.780	19.80	75	84 %	16.5	54.0			see above
 FB20			Return loss at 5-470 MHz: ≥ 26 dB 470-1000 MHz: ≥ 23 dB 1000-2150 MHz: ≥ 18 dB							Screening attenuation at 30-1000 MHz: ≥ 100 dB Transfer impedance at 5-30 MHz: ≤ 0.8 mΩ/m Screening Class: A++ Pulling Tension: 1200 N										
Coax 3C • Solid 3.38 mm Bare Copper • **Copper-Foil**																			
Gas-Injected Polyethylene Insulation • Polyethylene Jacket (Black or Green)																			
70°C	**CX3C1**		2296	700	419.8	190.4	3.38 mm Solid BC 4.5 Ω/km* 1.9 Ω/km**	0.587	14.90	Cu-foil 2.6 Ω/km*** 15.3 mm	0.709	18.00	75	84 %	16.5	54.0			see above
			3444	1050	629.6	285.6													
 FB18			Return loss at 5-470 MHz: ≥ 26 dB 470-1000 MHz: ≥ 23 dB 1000-2150 MHz: ≥ 18 dB							Screening attenuation at 30-1000 MHz: ≥ 100 dB Transfer impedance at 5-30 MHz: ≤ 0.8 mΩ/m Screening Class: A++ Pulling Tension: 1200 N										

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • ZP = Stranded Zinc-Plated Steel

Broadband Coax
Distribution Cables

BROADBAND

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Core OD (Dielectric) inch	Nominal Core OD (Dielectric) mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/100 ft.	Nominal Attenuation dB/100 m
CT167C • Solid 1.67 mm Bare Copper • **Copper-Foil** • 55 % Bare Copper Braid																			
5-Cell Polyethylene Insulation • Black Polyethylene Jacket																			
70°C	**CT167C1**		328	100	24.5	11.1	1.67 mm Solid BC 15.0 Ω/km* 8.5 Ω/km**	0.287	7.28	Cu-foil + 55% BC Braid 6.5 Ω/km*** 8.1 mm	0.398	10.10	75	81%	16.5	54.0	5	0.3	0.9
			820	250	61.2	27.8											50	0.9	2.8
																	230	1.8	6.0
																	470	2.9	9.4
																	862	3.8	12.6
																	1000	4.3	14.0
																	1350	5.0	16.3
																	1750	5.9	19.2
																	2150	6.7	21.9
																	2400	7.1	23.2
																	3000	8.0	26.1
			Return loss at 5-470 MHz: ≥ 26 dB 470-1000 MHz: ≥ 23 dB 1000-2150 MHz: ≥ 18 dB							Screening attenuation at 30-1000 MHz: ≥ 85 dB Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m Screening Class: A Pulling Tension: 300 N										
5-Cell Polyethylene Insulation • Black RBS Polyethylene Jacket																			
70°C	**CT167C3**		820	250	63.4	28.8	1.67 mm Solid BC 15.0 Ω/km* 8.5 Ω/km**	0.287	7.28	Cu-foil + 55% BC Braid 6.5 Ω/km*** 8.1 mm	0.398	10.10	75	81%	16.5	54.0	see above		
RBS jacket			Return loss at 5-470 MHz: ≥ 26 dB 470-1000 MHz: ≥ 23 dB 1000-2150 MHz: ≥ 18 dB							Screening attenuation at 30-1000 MHz: ≥ 85 dB Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m Screening Class: A Pulling Tension: 300 N										
5-Cell Polyethylene Insulation • Black PVC Jacket																			
70°C	**CT167C0**		820	250	52.4	23.8	1.67 mm Solid BC 15.0 Ω/km* 8.5 Ω/km**	0.287	7.28	Cu-foil + 55% BC Braid 6.5 Ω/km*** 8.1 mm	0.398	10.10	75	81%	16.5	54.0	see above		
			1640	500	104.7	47.5													
			3280	1000	209.4	95.0													
			Return loss at 5-470 MHz: ≥ 26 dB 470-1000 MHz: ≥ 23 dB 1000-2150 MHz: ≥ 18 dB							Screening attenuation at 30-1000 MHz: ≥ 85 dB Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m Screening Class: A Pulling Tension: 300 N										
5-Cell Polyethylene Insulation • Grey FRNC/LSNH Jacket																			
70°C	**CT167C2**	IEC 322-1	820	250	52.4	23.8	1.67 mm Solid BC 15.0 Ω/km* 8.5 Ω/km**	0.287	7.28	Cu-foil + 55% BC Braid 6.5 Ω/km*** 8.1 mm	0.398	10.10	75	81%	16.5	54.0	see above		
			1640	500	104.7	47.5													
			3280	1000	209.4	95.0													
			Return loss at 5-470 MHz: ≥ 26 dB 470-1000 MHz: ≥ 23 dB 1000-2150 MHz: ≥ 18 dB							Screening attenuation at 30-1000 MHz: ≥ 85 dB Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m Screening Class: A Pulling Tension: 300 N										

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper

Broadband Coax
Distribution Cables

BROADBAND

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Core OD (Dielectric) inch	Nominal Core OD (Dielectric) mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/100 ft.	Nominal Attenuation dB/100 m
PRG11C • Solid 1.55 mm Bare Copper • **Copper-Foil** • 50 % Bare Copper Braid																			
Gas-Injected Polyethylene Insulation • Grey FRNC/LSNH Jacket																			
70°C	**PRG11C2**	IEC 332-1	820	250	45.2	20.5	1.55 mm Solid BC 20.0 Ω/km* 9.4 Ω/km**	0.285	7.25	Cu-foil + 50% BC Braid 10.6 Ω/km*** 7.9 mm	0.398	10.10	75	81%	16.8	55.0	5	0.3	0.9
			1640	500	90.4	41.0											50	0.9	2.8
																	230	1.8	6.0
																	470	2.7	8.8
																	862	3.7	12.2
																	1000	4.1	13.6
																	1350	4.9	16.1
																	1750	5.7	18.7
																	2150	6.4	21.1
																	2400	6.9	22.5
																	3000	7.8	25.7
Return loss at 5-470 MHz: ≥ 26 dB; 470-1000 MHz: ≥ 23 dB; 1000-2000 MHz: ≥ 18 dB; 2000-3000 MHz: ≥ 16 dB										Screening attenuation at 30-1000 MHz: ≥ 85 dB; Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m; Screening Class: A; Pulling Tension: 225 N									
Gas-Injected Polyethylene Insulation • PVC Jacket (Black or White)																			
70°C	**PRG11C4**		820	250	44.6	20.3	1.55 mm Solid BC 20.0 Ω/km* 9.4 Ω/km**	0.285	7.25	Cu-foil + 50% BC Braid 10.6 Ω/km*** 7.9 mm	0.398	10.10	75	81%	16.8	55.0	see above		
			1640	500	89.3	40.5													
			3280	1000	178.6	81.0													
Return loss at 5-470 MHz: ≥ 26 dB; 470-1000 MHz: ≥ 23 dB; 1000-2000 MHz: ≥ 18 dB; 2000-3000 MHz: ≥ 16 dB										Screening attenuation at 30-1000 MHz: ≥ 85 dB; Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m; Screening Class: A; Pulling Tension: 225 N									
1000 m put-up available in Black only.																			
PRG11A • Solid 1.55 mm Bare Copper • **Duofoil®** • 50 % Tinned Copper Braid																			
Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket																			
70°C	**PRG11A3**		1640	500	67.2	30.5	1.55 mm Solid BC 22.2 Ω/km* 9.4 Ω/km**	0.285	7.25	Duofoil® + 50% TC Braid 12.8 Ω/km*** 7.9 mm	0.398	10.10	75	81%	16.8	55.0	5	0.3	0.9
																	50	0.9	2.9
																	230	2.0	6.4
																	470	2.8	9.3
																	862	4.0	13.0
																	1000	4.3	14.2
																	1350	5.1	16.8
																	1750	5.9	19.5
																	2150	6.7	21.9
																	2400	7.1	23.4
																	3000	8.1	26.7
Return loss at 5-470 MHz: ≥ 26 dB; 470-1000 MHz: ≥ 23 dB; 1000-2000 MHz: ≥ 18 dB; 2000-3000 MHz: ≥ 16 dB										Screening attenuation at 30-1000 MHz: ≥ 85 dB; Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m; Screening Class: A; Pulling Tension: 225 N									
Gas-Injected Polyethylene Insulation • White PVC Jacket																			
70°C	**PRG11A2**		1640	500	86.0	39.0	1.55 mm Solid BC 22.2 Ω/km* 9.4 Ω/km**	0.285	7.25	Duofoil® + 50% TC Braid 12.8 Ω/km*** 7.9 mm	0.398	10.10	75	81%	16.8	55.0	see above		
Return loss at 5-470 MHz: ≥ 26 dB; 470-1000 MHz: ≥ 23 dB; 1000-2000 MHz: ≥ 18 dB; 2000-3000 MHz: ≥ 16 dB										Screening attenuation at 30-1000 MHz: ≥ 85 dB; Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m; Screening Class: A; Pulling Tension: 225 N									

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • TC = Tinned Copper

Duofoil® see technical information page 23.13.

Broadband Coax
Distribution Cables

BROADBAND

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Core OD (Dielectric) inch	Nominal Core OD (Dielectric) mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/100 ft.	Nominal Attenuation dB/100 m
PRG11D • Solid 1.55 mm Bare Copper • **Duobond Plus®** • 50 % Tinned Copper Braid																			
Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket																			
70°C	**PRG11D3**		820	250	34.7	15.8	1.55 mm Solid BC 18.9 Ω/km* 9.4 Ω/km**	0.285	7.25	Duobond Plus® + 50 % TC Braid 9.5 Ω/km*** 8.1 mm	0.398	10.10	75	81 %	16.8	55.0	5	0.3	0.9
			1640	500	69.4	31.5											50	0.9	2.8
 BTQ																	230	1.9	6.2
																	470	2.8	9.1
																	862	3.9	12.7
																	1000	4.2	13.9
																	1350	5.0	16.5
			Return loss at	5-470 MHz: ≥ 26 dB 470-1000 MHz: ≥ 23 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB						Screening attenuation at 30-1000 MHz: ≥ 105 dB Transfer impedance at 5-30 MHz: ≤ 1.9 mΩ/m Screening Class: A+ Pulling Tension: 250 N							1750	5.8	19.0
																	2150	6.4	21.1
																	2400	6.9	22.5
																	3000	7.7	25.2
Gas-Injected Polyethylene Insulation • Black FRNC/LSNH Jacket																			
70°C	**PRG11D1**	IEC 332-1	1640	500	97.0	44.0	1.55 mm Solid BC 16.4 Ω/km* 9.4 Ω/km**	0.285	7.25	Duobond Plus® + 70 % TC Braid 7.0 Ω/km*** 8.1 mm	0.398	10.10	75	81 %	16.8	55.0			see above
 BTQ																			
			Return loss at	5-470 MHz: ≥ 26 dB 470-1000 MHz: ≥ 23 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB						Screening attenuation at 30-1000 MHz: ≥ 105 dB Transfer impedance at 5-30 MHz: ≤ 1.9 mΩ/m Screening Class: A+ Pulling Tension: 250 N									
Gas-Injected Polyethylene Insulation • Black PVC Jacket																			
70°C	**PRG11D0**		1640	500	83.8	38.0	1.55 mm Solid BC 18.9 Ω/km* 9.4 Ω/km**	0.285	7.25	Duobond Plus® + 50 % TC Braid 9.5 Ω/km*** 8.1 mm	0.398	10.10	75	81 %	16.8	55.0			see above
 BTQ																			
			Return loss at	5-470 MHz: ≥ 26 dB 470-1000 MHz: ≥ 23 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB						Screening attenuation at 30-1000 MHz: ≥ 105 dB Transfer impedance at 5-30 MHz: ≤ 1.9 mΩ/m Screening Class: A+ Pulling Tension: 250 N									

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • TC = Tinned Copper

Duobond Plus® see technical information page 23.13.

Broadband Coax
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BROADBAND

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Core OD (Dielectric) inch	Nominal Core OD (Dielectric) mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/100 ft.	Nominal Attenuation dB/100 m
CT125C • Solid 1.25 mm Bare Copper • **Copper-Foil** • 51 % Bare Copper Braid																			
5-Cell Polyethylene Insulation • Black Polyethylene Jacket																			
70°C	**CT125C1**		820 1640 3280	250 500 1000	31.4 62.8 125.7	14.3 28.5 57.0	1.25 mm Solid BC 28.5 Ω/km* 15.0 Ω/km**	0.217	5.50	Cu-foil + 51 % BC Braid 13.5 Ω/km*** 6.2 mm	0.307	7.80	75	81%	16.5	54.0	50 230 470 862 1000 1750 2150	1.1 2.4 3.5 4.7 5.2 6.7 7.9	3.5 7.8 11.6 15.5 17.0 22.0 26.0
Return loss at 5-470 MHz: ≥ 23 dB 470-1000 MHz: ≥ 20 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB										Screening attenuation at 30-1000 MHz: ≥ 85 dB Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m Screening Class: A Pulling Tension: 100 N									
5-Cell Polyethylene Insulation • Black RBS Polyethylene Jacket																			
70°C	**CT125C3**		1640 3280	500 1000	88.2 176.4	40.0 80.0	1.25 mm Solid BC 28.5 Ω/km* 15.0 Ω/km**	0.217	5.50	Cu-foil + 51 % BC Braid 13.5 Ω/km*** 6.2 mm	0.307	7.80	75	81%	16.5	54.0			see above
RBS jacket																			
Return loss at 5-470 MHz: ≥ 23 dB 470-1000 MHz: ≥ 20 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB										Screening attenuation at 30-1000 MHz: ≥ 85 dB Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m Screening Class: A Pulling Tension: 100 N									
5-Cell Polyethylene Insulation • Black PVC Jacket																			
70°C	**CT125C0**		328 820 1640	100 250 500	15.0 37.5 75.0	6.8 17.0 34.0	1.25 mm Solid BC 28.5 Ω/km* 15.0 Ω/km**	0.217	5.50	Cu-foil + 51 % BC Braid 13.5 Ω/km*** 6.2 mm	0.307	7.80	75	81%	16.5	54.0			see above
Return loss at 5-470 MHz: ≥ 23 dB 470-1000 MHz: ≥ 20 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB										Screening attenuation at 30-1000 MHz: ≥ 85 dB Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m Screening Class: A Pulling Tension: 100 N									
RG7C • Solid 1.25 mm Bare Copper • **Copper-Foil** • 50 % Bare Copper Braid																			
Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket																			
70°C	**RG7C01**		820 1640	250 500	34.4 68.9	15.6 31.3	1.25 mm Solid BC 26.5 Ω/km* 14.5 Ω/km**	0.224	5.70	Cu-foil + 50% BC Braid 12.0 Ω/km*** 6.3 mm	0.319	8.10	75	82%	16.5	54.0	5 50 100 230 400 800 862 1000 1350 1750 2150 2400	0.4 1.0 1.5 2.3 3.1 4.5 4.6 5.0 5.9 6.9 7.7 8.2	1.2 3.4 4.9 7.5 10.1 14.6 15.1 16.5 19.5 22.6 25.3 27.0
Return loss at 5-470 MHz: ≥ 23 dB 470-1000 MHz: ≥ 20 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB										Screening attenuation at 30-1000 MHz: ≥ 85 dB Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m Screening Class: B Pulling Tension: 90 N									
Gas-Injected Polyethylene Insulation • Black FRNC/LSNH Jacket																			
70°C	**RG7C02**	IEC 332-1	820 1640	250 500	34.4 68.9	15.6 31.3	1.25 mm Solid BC 26.5 Ω/km* 14.5 Ω/km**	0.224	5.70	Cu-foil + 50% BC Braid 12.0 Ω/km*** 6.3 mm	0.319	8.10	75	82%	16.5	54.0			see above
Return loss at 5-470 MHz: ≥ 23 dB 470-1000 MHz: ≥ 20 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB										Screening attenuation at 30-1000 MHz: ≥ 85 dB Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m Screening Class: B Pulling Tension: 90 N									

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper

Broadband Coax
Drop Cables

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Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Core OD (Dielectric) inch	Nominal Core OD (Dielectric) mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/100 ft.	Nominal Attenuation dB/100 m
H126D (RG6) • Solid 1.0 mm Bare Copper • **Duobond Plus®** • 50 % Tinned Copper Braid																			
Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket																			
70°C	**H126D04**		1640	500	44.1	20.0	1.0 mm Solid BC 37.0 Ω/km* 23.0 Ω/km**	0.180	4.57	Duobond Plus® + 50 % TC Braid 14.0 Ω/km*** 5.4 mm	0.272	6.90	75	82 %	16.5	54.0	5	0.5	1.8
																	50	1.4	4.7
																	100	2.0	6.5
																	230	3.0	9.8
																	400	4.0	13.0
																	800	5.7	18.7
																	862	5.9	19.5
BTQ																	1000	6.4	21.1
																	1350	7.6	24.9
			Return loss at	5-470 MHz: ≥ 20 dB 470-1000 MHz: ≥ 18 dB 1000-2000 MHz: ≥ 16 dB 2000-3000 MHz: ≥ 15 dB						Screening attenuation at 30-1000 MHz: ≥ 100 dB Transfer impedance at 5-30 MHz: ≤ 4.5 mΩ/m Screening Class: A Pulling Tension: 55 N							1750	8.8	28.8
																	2150	9.8	32.3
																	2400	10.5	34.4
																	3000	12.0	39.2
Gas-Injected Polyethylene Insulation • White FRNC/LSNH Jacket																			
70°C	**H126D03**	IEC 332-3	B-328 U-820 1640	B-100 U-250 500	10.8 27.0 54.0	4.9 12.3 24.5	1.0 mm Solid BC 37.0 Ω/km* 23.0 Ω/km**	0.180	4.57	Duobond Plus® + 50 % TC Braid 14.0 Ω/km*** 5.4 mm	0.272	6.90	75	82 %	16.5	54.0			see above
BTQ																			
			Return loss at	5-470 MHz: ≥ 20 dB 470-1000 MHz: ≥ 18 dB 1000-2000 MHz: ≥ 16 dB 2000-3000 MHz: ≥ 15 dB						Screening attenuation at 30-1000 MHz: ≥ 100 dB Transfer impedance at 5-30 MHz: ≤ 4.5 mΩ/m Screening Class: A Pulling Tension: 55 N									
Gas-Injected Polyethylene Insulation • PVC Jacket (Black or White)																			
70°C	**H126D02**		B-328 U-820 1640	B-100 U-250 500	10.8 27.0 54.0	4.9 12.3 24.5	1.0 mm Solid BC 37.0 Ω/km* 23.0 Ω/km**	0.180	4.57	Duobond Plus® + 50 % TC Braid 14.0 Ω/km*** 5.4 mm	0.272	6.90	75	82 %	16.5	54.0			see above
BTQ																			
			Return loss at	5-470 MHz: ≥ 20 dB 470-1000 MHz: ≥ 18 dB 1000-2000 MHz: ≥ 16 dB 2000-3000 MHz: ≥ 15 dB						Screening attenuation at 30-1000 MHz: ≥ 100 dB Transfer impedance at 5-30 MHz: ≤ 4.5 mΩ/m Screening Class: A Pulling Tension: 55 N									
500 m put-up available in Black only.																			
Gas-Injected Polyethylene Insulation • PVC Jacket (Black or White)																			
70°C	**H126D00**		B-328 U-820 1640	B-100 U-250 500	10.4 25.9 51.8	4.7 11.8 23.5	1.0 mm Solid BC 39.0 Ω/km* 23.0 Ω/km**	0.180	4.57	Duobond Plus® + 40 % TC Braid 16.0 Ω/km*** 5.4 mm	0.272	6.90	75	82 %	16.5	54.0			see above
BTT																			
			Return loss at	5-470 MHz: ≥ 20 dB 470-1000 MHz: ≥ 18 dB 1000-2000 MHz: ≥ 16 dB 2000-3000 MHz: ≥ 15 dB						Screening attenuation at 30-1000 MHz: ≥ 100 dB Transfer impedance at 5-30 MHz: ≤ 4.5 mΩ/m Screening Class: A Pulling Tension: 55 N									
H126A (RG6) • Solid 1.0 mm Bare Copper • **Duofoil®** • 35 % Tinned Copper Braid																			
Gas-Injected Polyethylene Insulation • PVC Jacket (Black or White)																			
70°C	**H126A00**		B-328 U-820 984 1640	B-100 U-250 300 500	10.6 26.5 31.7 53.5	4.8 12.0 14.4 24.3	1.0 mm Solid BC 49.0 Ω/km* 23.0 Ω/km**	0.180	4.57	Duofoil® + 35 % TC Braid 26.0 Ω/km*** 5.25 mm	0.272	6.90	75	82 %	16.5	54.0			see above
			Return loss at	5-470 MHz: ≥ 20 dB 470-1000 MHz: ≥ 18 dB 1000-2000 MHz: ≥ 16 dB 2000-3000 MHz: ≥ 15 dB						Screening attenuation at 30-1000 MHz: ≥ 75 dB Transfer impedance at 5-30 MHz: ≤ 40.0 mΩ/m Screening Class: C Pulling Tension: 55 N									
B-100 m put-up available in White only.																			

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • TC = Tinned Copper
Duofoil® and Duobond Plus® see technical information page 23.13.

Broadband Coax
Drop Cables

BROADBAND

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Core OD (Dielectric) inch	Nominal Core OD (Dielectric) mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/100 ft.	Nominal Attenuation dB/100 m

H126A (RG6) • Solid 1.0 mm Bare Copper • **Duobond® II** • 70 % Tinned Copper Braid

Gas-Injected Polyethylene Insulation • White PVC Jacket

70°C	**H126A03**		656	200	23.4	10.6	1.0 mm Solid BC 40.0 Ω/km* 23.0 Ω/km**	0.180	4.57	Duobond® II + 70 % TC Braid 17.0 Ω/km*** 5.25 mm	0.272	6.90	75	82 %	16.5	54.0	5	0.5	1.8
			U-820	U-250	29.2	13.3											50	1.4	4.7
			1640	500	58.4	26.5											100	2.0	6.5
																	230	3.0	9.8
																	400	4.0	13.0
																	800	5.7	18.7
																	862	5.9	19.5
																	1000	6.4	21.1
																	1350	7.6	24.9
																	1750	8.8	28.8
																	2150	9.8	32.2
																	2400	10.5	34.4
																	3000	12.0	39.2

Return loss at 5-470 MHz: ≥ 20 dB; 470-1000 MHz: ≥ 18 dB; 1000-2000 MHz: ≥ 16 dB; 2000-3000 MHz: ≥ 15 dB
Screening attenuation at 30-1000 MHz: ≥ 85 dB; Transfer impedance at 5-30 MHz: ≤ 25.0 mΩ/m; Screening Class: C; Pulling Tension: 55 N

Gas-Injected Polyethylene Insulation • White PVC Jacket

70°C	**H126A02**		U-820	U-250	25.9	11.8	1.0 mm Solid BC 45.0 Ω/km* 23.0 Ω/km**	0.180	4.57	Duobond® II + 50 % TC Braid 22.0 Ω/km*** 5.25 mm	0.272	6.90	75	82 %	16.5	54.0			see above

Return loss at 5-470 MHz: ≥ 20 dB; 470-1000 MHz: ≥ 18 dB; 1000-2000 MHz: ≥ 16 dB; 2000-3000 MHz: ≥ 15 dB
Screening attenuation at 30-1000 MHz: ≥ 75 dB; Transfer impedance at 5-30 MHz: ≤ 50.0 mΩ/m; Screening Class: C; Pulling Tension: 55 N

H109C • Solid 1.0 mm Bare Copper • **Copper-Foil** • 55 % Bare Copper Braid

5-Cell Polyethylene Insulation • PVC Jacket (Black or Brown)

70°C	**H109C00**		820	250	27.0	12.3	1.0 mm Solid BC 41.0 Ω/km* 26.0 Ω/km**	0.185	4.70	Cu-foil + 55 % BC Braid 15.0 Ω/km*** 5.2 mm	0.262	6.65	75	80 %	17.1	56.0	5	0.5	1.6
			1640	500	54.0	24.5											50	1.4	4.6
			16400	5000	540.1	245.0											100	2.0	6.5
																	230	3.0	9.8
																	400	4.1	13.3
																	800	5.9	19.2
																	862	5.9	19.5
																	1000	6.6	21.5
																	1750	8.8	29.0
																	2150	9.9	32.5
																	2400	10.6	34.7

250 m put-up available in Brown only.
500 m put-up available in Black only.

Return loss at 5-470 MHz: ≥ 20 dB; 470-1000 MHz: ≥ 18 dB; 1000-2000 MHz: ≥ 16 dB; 2000-3000 MHz: ≥ 15 dB
Screening attenuation at 30-1000 MHz: ≥ 75 dB; Transfer impedance at 5-30 MHz: ≤ 10.0 mΩ/m; Screening Class: B; Pulling Tension: 55 N

5-Cell Polyethylene Insulation • FRNC/LSNH Jacket (Black or White)

70°C	**H109C02**	IEC 332-1	820	250	24.8	11.3	1.0 mm Solid BC 41.0 Ω/km* 26.0 Ω/km**	0.185	4.70	Cu-foil + 55 % BC Braid 15.0 Ω/km*** 5.2 mm	0.262	6.65	75	80 %	17.1	56.0			see above

Return loss at 5-470 MHz: ≥ 20 dB; 470-1000 MHz: ≥ 18 dB; 1000-2000 MHz: ≥ 16 dB; 2000-3000 MHz: ≥ 15 dB
Screening attenuation at 30-1000 MHz: ≥ 75 dB; Transfer impedance at 5-30 MHz: ≤ 10.0 mΩ/m; Screening Class: B; Pulling Tension: 55 N

H125C • Solid 1.0 mm Bare Copper • **Copper-Foil** • 40 % Bare Copper Braid

Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket

70°C	**H125C01**		B-328	B-100	8.6	3.9	1.0 mm Solid BC 41.0 Ω/km* 23.0 Ω/km**	0.189	4.80	Cu-foil + 40 % BC Braid 18.0 Ω/km*** 5.4 mm	0.268	6.80	75	81 %	16.8	55.0	5	0.4	1.4
			820	250	21.5	9.8											50	1.3	4.3
			1640	500	43.0	19.5											100	1.9	6.1
																	230	2.8	9.2
																	400	3.8	12.3
																	800	5.4	17.7
																	862	5.6	18.4
																	1000	6.1	19.9
																	1350	7.1	23.4
																	1750	8.2	27.0
																	2150	9.2	30.2
																	2400	9.8	32.1

Return loss at 5-470 MHz: ≥ 23 dB; 470-1000 MHz: ≥ 20 dB; 1000-2000 MHz: ≥ 18 dB; 2000-3000 MHz: ≥ 16 dB
Screening attenuation at 30-1000 MHz: ≥ 85 dB; Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m; Screening Class: B; Pulling Tension: 55 N

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • TC = Tinned Copper
Duobond® II see technical information page 23.13.

Broadband Coax
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BROADBAND

Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Core OD (Dielectric) inch	Nominal Core OD (Dielectric) mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 ft.	Nominal Attenuation dB/ 100 m
H125C • Solid 1.0 mm Bare Copper • **Copper-Foil** • 40 % Bare Copper Braid																			
Gas-Injected Polyethylene Insulation • Grey FRNC/LSNH Jacket																			
70°C	**H125C04**	IEC 332-1	1640	500	49.6	22.5	1.0 mm Solid BC 41.0 Ω/km* 23.0 Ω/km**	0.189	4.80	Cu-foil + 40 % BC Braid 18.0 Ω/km*** 5.4 mm	0.268	6.80	75	81 %	16.8	55.0	5	0.4	1.4
																	50	1.3	4.3
																	100	1.9	6.1
																	230	2.8	9.2
																	400	3.8	12.3
																	800	5.4	17.7
																	862	5.6	18.4
																	1000	6.1	19.9
																	1350	7.1	23.4
																	1750	8.2	27.0
																	2150	9.2	30.2
																	2400	9.8	32.1
			Return loss at	5-470 MHz: ≥ 23 dB 470-1000 MHz: ≥ 20 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB						Screening attenuation at 30-1000 MHz: ≥ 85 dB Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m Screening Class: B Pulling Tension: 55 N									
Gas-Injected Polyethylene Insulation • PVC Jacket (Black, Brown, Crème, Grey or White)																			
70°C	**H125C00**		B-328	B-100	10.4	4.7	1.0 mm Solid BC 41.0 Ω/km* 23.0 Ω/km**	0.189	4.80	Cu-foil + 40 % BC Braid 18.0 Ω/km*** 5.4 mm	0.268	6.80	75	81 %	16.8	55.0	see above		
			820	250	25.9	11.8													
			1640	500	51.8	23.5													
			3280	1000	103.6	47.0													
			Return loss at	5-470 MHz: ≥ 23 dB 470-1000 MHz: ≥ 20 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB						Screening attenuation at 30-1000 MHz: ≥ 85 dB Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m Screening Class: B Pulling Tension: 55 N									
Brown, Crème and Grey available in B-100 m only.																			
Gas-Injected Polyethylene Insulation • White PVC Jacket																			
70°C	**H125C03**		820	250	49.1	22.3	1.0 mm Solid BC 41.0 Ω/km* 23.0 Ω/km**	0.189	4.80	Cu-foil + 40 % BC Braid 18.0 Ω/km*** 5.24 mm	0.268 0.531	6.80 13.50	75	81 %	16.8	55.0	see above		
			Return loss at	5-470 MHz: ≥ 23 dB 470-1000 MHz: ≥ 20 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB						Screening attenuation at 30-1000 MHz: ≥ 75 dB Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m Screening Class: B Pulling Tension: 55 N									
ShotGun																			
H125A • Solid 1.0 mm Bare Copper • **Duofoil®** • 70 % Tinned Copper Braid																			
Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket																			
70°C	**H125A08**		1640	500	45.2	20.5	1.0 mm Solid BC 41.0 Ω/km* 23.0 Ω/km**	0.189	4.80	Duofoil® + 70 % TC Braid 18.0 Ω/km*** 5.5 mm	0.268	6.80	75	81 %	16.8	55.0	5	0.5	1.8
																	50	1.4	4.7
																	100	2.0	6.5
																	230	3.0	9.8
																	400	3.9	12.9
																	800	5.7	18.6
																	862	5.9	19.3
																	1000	6.4	20.9
			Return loss at	5-470 MHz: ≥ 23 dB 470-1000 MHz: ≥ 20 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB						Screening attenuation at 30-1000 MHz: ≥ 85 dB Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m Screening Class: B Pulling Tension: 55 N							1350 1750 2150 2400	7.5 8.7 9.7 10.4	24.6 28.4 31.9 34.0
Gas-Injected Polyethylene Insulation • White FRNC/LSNH Jacket																			
70°C	**H125A07**	IEC 332-1	B-328	B-100	10.8	4.9	1.0 mm Solid BC 41.0 Ω/km* 23.0 Ω/km**	0.189	4.80	Duofoil® + 70 % TC Braid 18.0 Ω/km*** 5.5 mm	0.268	6.80	75	81 %	16.8	55.0	see above		
			1640	500	54.0	24.5													
			Return loss at	5-470 MHz: ≥ 23 dB 470-1000 MHz: ≥ 20 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB						Screening attenuation at 30-1000 MHz: ≥ 85 dB Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m Screening Class: B Pulling Tension: 55 N									

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • TC = Tinned Copper

Duofoil® see technical information page 23.13.

Broadband Coax
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Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Core OD (Dielectric) inch	Nominal Core OD (Dielectric) mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/100 ft.	Nominal Attenuation dB/100 m
H125A • Solid 1.0 mm Bare Copper • **Duofoil®** • 70 % Tinned Copper Braid																			
Gas-Injected Polyethylene Insulation • White PVC Jacket																			
70°C	**H125A06**		B-328	B-100	10.6	4.8	1.0 mm	0.189	4.80	Duofoil®	0.268	6.80	75	81%	16.8	55.0	5	0.5	1.8
			U-820	U-250	26.5	12.0	Solid BC			+ 70% TC							50	1.4	4.7
			1640	500	52.9	24.0	41.0 Ω/km*			Braid							100	2.0	6.5
							23.0 Ω/km**			18.0 Ω/km***							230	3.0	9.8
										5.5 mm							400	3.9	12.9
																	800	5.7	18.6
																	862	5.9	19.3
																	1000	6.4	20.9
			Return loss at 5-470 MHz: ≥ 23 dB							Screening attenuation at 30-1000 MHz: ≥ 85 dB							1350	7.5	24.6
			470-1000 MHz: ≥ 20 dB							Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m							1750	8.7	28.4
			1000-2000 MHz: ≥ 18 dB							Screening Class: B							2150	9.7	31.9
			2000-3000 MHz: ≥ 16 dB							Pulling Tension: 55 N							2400	10.4	34.0
Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket																			
70°C	**H125A01**		B-328	B-100	8.2	3.7	1.0 mm	0.189	4.80	Duofoil®	0.268	6.80	75	81%	16.8	55.0	see above		
			820	250	20.4	9.3	Solid BC			+ 40% TC									
			1640	500	40.8	18.5	50.0 Ω/km*			Braid									
							23.0 Ω/km**			27.0 Ω/km***									
										5.4 mm									
			Return loss at 5-470 MHz: ≥ 23 dB							Screening attenuation at 30-1000 MHz: ≥ 75 dB									
			470-1000 MHz: ≥ 20 dB							Transfer impedance at 5-30 MHz: ≤ 40.0 mΩ/m									
			1000-2000 MHz: ≥ 18 dB							Screening Class: C									
			2000-3000 MHz: ≥ 16 dB							Pulling Tension: 55 N									
Gas-Injected Polyethylene Insulation • Grey FRNC/LSNH Jacket																			
70°C	**H125A03**	IEC 332-1	B-328	B-100	9.3	4.2	1.0 mm	0.189	4.80	Duofoil®	0.268	6.80	75	81%	16.8	55.0	see above		
			1640	500	46.3	21.0	Solid BC			+ 40% TC									
							50.0 Ω/km*			Braid									
							23.0 Ω/km**			27.0 Ω/km***									
										5.4 mm									
			Return loss at 5-470 MHz: ≥ 23 dB							Screening attenuation at 30-1000 MHz: ≥ 75 dB									
			470-1000 MHz: ≥ 20 dB							Transfer impedance at 5-30 MHz: ≤ 40.0 mΩ/m									
			1000-2000 MHz: ≥ 18 dB							Screening Class: C									
			2000-3000 MHz: ≥ 16 dB							Pulling Tension: 55 N									
Gas-Injected Polyethylene Insulation • PVC Jacket (Black, Brown, Grey or White)																			
70°C	**H125A00**		B-328	B-100	9.7	4.4	1.0 mm	0.189	4.80	Duofoil®	0.268	6.80	75	81%	16.8	55.0	see above		
			U-820	U-250	24.3	11.0	Solid BC			+ 40% TC									
			1640	500	48.5	22.0	50.0 Ω/km*			Braid									
							23.0 Ω/km**			27.0 Ω/km***									
										5.4 mm									
			Return loss at 5-470 MHz: ≥ 23 dB							Screening attenuation at 30-1000 MHz: ≥ 75 dB									
			470-1000 MHz: ≥ 20 dB							Transfer impedance at 5-30 MHz: ≤ 40.0 mΩ/m									
			1000-2000 MHz: ≥ 18 dB							Screening Class: C									
Brown, Crème and Grey available in B-100 m only.			2000-3000 MHz: ≥ 16 dB							Pulling Tension: 55 N									
Gas-Injected Polyethylene Insulation • Black PVC Jacket																			
70°C	**H125A04**		820	250	46.8	21.3	1.0 mm	0.189	4.80	Duofoil®	0.268	6.80	75	81%	16.8	55.0	see above		
							Solid BC			+ 40% TC	0.559	14.20							
							50.0 Ω/km*			Braid									
							23.0 Ω/km**			27.0 Ω/km***									
										5.4 mm									
			Return loss at 5-470 MHz: ≥ 23 dB							Screening attenuation at 30-1000 MHz: ≥ 75 dB									
			470-1.000 MHz: ≥ 20 dB							Transfer impedance at 5-30 MHz: ≤ 40.0 mΩ/m									
			1000-2000 MHz: ≥ 18 dB							Screening Class: C									
ShotGun			2000-3000 MHz: ≥ 16 dB							Pulling Tension: 55 N									
Gas-Injected Polyethylene Insulation • Black PE Jacket																			
70°C	**H125A02**		1640	500	83.8	38.0	1.0 mm	0.189	4.80	Duofoil®	0.268	6.80	75	81%	16.8	55.0	see above		
							Solid BC			+ 50% TC		x							
							41.0 Ω/km*			Braid		12.00							
							23.0 Ω/km**			18.0 Ω/km***									
										5.4 mm									
			Return loss at 5-470 MHz: ≥ 23 dB							Screening attenuation at 30-1000 MHz: ≥ 75 dB									
			470-1000 MHz: ≥ 20 dB							Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m									
			1000-2000 MHz: ≥ 18 dB							Screening Class: B									
4.4 mm ZP messenger			2000-3000 MHz: ≥ 16 dB							Pulling Tension: 3500 N									

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • TC = Tinned Copper • ZP = Stranded Zinc-Plated Steel
Duofoil® see technical information page 23.13.

Broadband Coax
Drop Cables

BROADBAND

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Core OD (Dielectric) inch	Nominal Core OD (Dielectric) mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/100 ft.	Nominal Attenuation dB/100 m
H125D • Solid 1.0 mm Bare Copper • **Duobond Plus®** • 50% Tinned Copper Shield																			
Gas-Injected Polyethylene Insulation • PE Jacket (Green with White Stripe)																			
70°C	**H125D00**		1640	500	45.2	20.5	1.0 mm Solid BC 37.0 Ω/km* 23.0 Ω/km**	0.189	4.80	Duobond Plus® + 50% TC Braid 14.0 Ω/km*** 5.6 mm	0.280	7.10	75	80%	16.8	55.0	5	0.5	1.7
			3280	1000	90.4	41.0											50	1.4	4.7
																	100	1.9	6.2
																	230	3.0	9.8
																	400	3.9	12.9
																	800	5.7	18.8
																	862	5.9	19.3
																	1000	6.5	21.2
																	1350	7.7	25.1
																	1750	8.8	29.0
																	2150	10.0	32.7
																	2400	10.6	34.8

Shorting Fold

BTQ

Return loss at 5-470 MHz: ≥ 23 dB; 470-1000 MHz: ≥ 20 dB; 1000-2000 MHz: ≥ 18 dB; 2000-3000 MHz: ≥ 16 dB

Screening attenuation at 30-1000 MHz: ≥ 95 dB
Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m
Screening Class: A
Pulling Tension: 60 N

CT100C • Solid 1.0 mm Bare Copper • **Copper-Foil** • 53% Bare Copper Braid

5-Cell Polyethylene Insulation • PVC Jacket (Black. Brown and White)

70°C	**CT100C0**		328	100	11.5	5.2	1.0 mm Solid BC 41.0 Ω/km* 26.0 Ω/km**	0.185	4.70	Cu-foil + 53% BC Braid 15.0 Ω/km*** 5.35 mm	0.262	6.65	75	82%	16.8	55.0	50	1.5	4.6
			820	250	28.7	13.0											230	3.0	9.8
			1640	500	57.3	26.0											470	4.6	15.0
																	862	5.9	19.5
																	1000	6.6	21.5
																	1750	8.8	29.0
																	2150	9.9	32.5

Return loss at 5-470 MHz: ≥ 23 dB; 470-1000 MHz: ≥ 20 dB; 1000-2000 MHz: ≥ 18 dB; 2000-3000 MHz: ≥ 16 dB

Screening attenuation at 30-1000 MHz: ≥ 75 dB
Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m
Screening Class: B
Pulling Tension: 55 N

500 m put-up available in Black only.

5-Cell Polyethylene Insulation • PVC RBS Jacket (Black and White)

70°C	**CT100C3**		328	100	11.2	5.1	1.0 mm Solid BC 41.0 Ω/km* 26.0 Ω/km**	0.185	4.70	Cu-foil + 53% BC Braid 15.0 Ω/km*** 5.35 mm	0.262	6.65	75	82%	16.8	55.0			see above
			820	250	28.1	12.8													
			1640	500	56.2	25.5													
			3280	1000	112.4	51.0													

RBS jacket

Return loss at 5-470 MHz: ≥ 23 dB; 470-1000 MHz: ≥ 20 dB; 1000-2000 MHz: ≥ 18 dB; 2000-3000 MHz: ≥ 16 dB

Screening attenuation at 30-1000 MHz: ≥ 75 dB
Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m
Screening Class: B
Pulling Tension: 55 N

5-Cell Polyethylene Insulation • Black FRNC/LSNH Jacket

70°C	**CT100C1**		3280	1000	116.8	53.0	1.0 mm Solid BC 41.0 Ω/km* 26.0 Ω/km**	0.185	4.70	Cu-foil + 53% BC Braid 15.0 Ω/km*** 5.35 mm	0.262	6.65	75	82%	16.8	55.0			see above

Return loss at 5-470 MHz: ≥ 23 dB; 470-1000 MHz: ≥ 20 dB; 1000-2000 MHz: ≥ 18 dB; 2000-3000 MHz: ≥ 16 dB

Screening attenuation at 30-1000 MHz: ≥ 75 dB
Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m
Screening Class: B
Pulling Tension: 55 N

H124A • Solid 1.0 mm Bare Copper • **Duofoil®** • 31% Tinned Copper Braid

Gas-Injected Polyethylene Insulation • White PVC Jacket

70°C	**H124A00**		B-328	B-100	6.8	3.1	1.0 mm Solid BC 58.0 Ω/km* 35.0 Ω/km**	0.173	4.40	Duofoil® + 31% TC Braid 23.0 Ω/km*** 5.1 mm	0.232	5.90	75	84%	16.2	53.0	5	0.6	2.0
			U-820	U-250	17.1	7.8											50	1.4	4.5
			1640	500	34.2	15.5											100	2.0	6.4
			16400	5000	341.7	155.0											230	2.9	9.5
																	400	4.1	13.3
																	800	5.9	19.3
																	862	6.0	19.8
																	1000	6.6	21.8
																	1350	7.8	25.7
																	1750	9.1	29.7
																	2150	10.2	33.4
																	2400	10.9	35.6

Return loss at 5-470 MHz: ≥ 23 dB; 470-1000 MHz: ≥ 20 dB; 1000-2000 MHz: ≥ 18 dB; 2000-3000 MHz: ≥ 16 dB

Screening attenuation at 30-1000 MHz: ≥ 75 dB
Transfer impedance at 5-30 MHz: ≤ 40.0 mΩ/m
Screening Class: C
Pulling Tension: 55 N

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • TC = Tinned Copper

Duofoil® and Duobond Plus® see technical information page 23.13.

Broadband Coax
Drop Cables

BROADBAND

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Core OD (Dielectric) inch	Nominal Core OD (Dielectric) mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/100 ft.	Nominal Attenuation dB/100 m

H121C • Solid 0.8 mm Bare Copper • **Copper-Foil** • 45 % Bare Copper Braid

Gas-Injected Polyethylene Insulation • White PVC Jacket

70°C	**H121C00**		B-328	B-100	6.0	2.7	0.8 mm Solid BC 59.0 Ω/km* 35.0 Ω/km**	0.138	3.50	Cu-foil + 45% BC Braid 24.0 Ω/km*** 4.1 mm	0.197	5.00	75	84%	16.2	53.0	5	0.5	1.7
			1640	500	29.8	13.5											50	1.6	5.3
																	100	2.3	7.5
																	230	3.5	11.4
																	400	4.6	15.1
																	800	6.6	21.7
																	862	6.9	22.6
																	1000	7.5	24.5
																	1350	8.8	28.7
																	1750	10.1	33.0
																	2150	11.3	36.9
																	2400	12.0	39.2

Return loss at 5-470 MHz: ≥ 20 dB; 470-1000 MHz: ≥ 18 dB; 1000-2000 MHz: ≥ 16 dB; 2000-3000 MHz: ≥ 15 dB

Screening attenuation at 30-1000 MHz: ≥ 80 dB; Transfer impedance at 5-30 MHz: ≤ 10.0 mΩ/m; Screening Class: B; Pulling Tension: 40 N

H121A • Solid 0.8 mm Bare Copper • **Duofoil®** • 75 % Tinned Copper Braid

Gas-Injected Polyethylene Insulation • White PVC Jacket

70°C	**H121A03**		B-328	B-100	6.4	2.9	0.8 mm Solid BC 55.0 Ω/km* 35.0 Ω/km**	0.138	3.50	Duofoil® + 75% TC Braid 20.0 Ω/km*** 4.1 mm	0.197	5.00	75	84%	16.2	53.0	5	0.7	2.3
			U-984	U-300	19.2	8.7											50	1.8	5.9
			1640	500	32.0	14.5											100	2.5	8.1
																	230	3.7	12.1
																	400	4.8	15.9
																	800	6.9	22.7
H121B																	862	7.2	23.6
																	1000	7.8	25.6
																	1350	9.1	30.0
																	1750	10.5	34.5
																	2150	11.8	38.6
																	2400	12.5	41.0

Return loss at 5-470 MHz: ≥ 20 dB; 470-1000 MHz: ≥ 18 dB; 1000-2000 MHz: ≥ 16 dB; 2000-3000 MHz: ≥ 15 dB

Screening attenuation at 30-1000 MHz: ≥ 100 dB; Transfer impedance at 5-30 MHz: ≤ 4.2 mΩ/m; Screening Class: A; Pulling Tension: 45 N

Gas-Injected Polyethylene Insulation • White FRNC/LSNH Jacket

70°C	**H121A04**	IEC 332-1	B-328	B-100	7.3	3.3	0.8 mm Solid BC 55.0 Ω/km* 35.0 Ω/km**	0.138	3.50	Duofoil® + 75% TC Braid 20.0 Ω/km*** 4.1 mm	0.197	5.00	75	84%	16.2	53.0	see above		
			1640	500	36.4	16.5													
H121B																			

Return loss at 5-470 MHz: ≥ 20 dB; 470-1000 MHz: ≥ 18 dB; 1000-2000 MHz: ≥ 16 dB; 2000-3000 MHz: ≥ 15 dB

Screening attenuation at 30-1000 MHz: ≥ 100 dB; Transfer impedance at 5-30 MHz: ≤ 4.2 mΩ/m; Screening Class: A; Pulling Tension: 45 N

H121A • Solid 0.8 mm Bare Copper • **Duofoil®** • 40 % Tinned Copper Braid

Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket

70°C	**H121A01**		1640	500	22.0	10.0	0.8 mm Solid BC 75.0 Ω/km* 35.0 Ω/km**	0.138	3.50	Duofoil® + 40% TC Braid 40.0 Ω/km*** 4.1 mm	0.197	5.00	75	84%	16.2	53.0	see above		
			3280	1000	44.1	20.0													

Return loss at 5-470 MHz: ≥ 20 dB; 470-1000 MHz: ≥ 18 dB; 1000-2000 MHz: ≥ 16 dB; 2000-3000 MHz: ≥ 15 dB

Screening attenuation at 30-1000 MHz: ≥ 75 dB; Transfer impedance at 5-30 MHz: ≤ 33.0 mΩ/m; Screening Class: C; Pulling Tension: 40 N

Gas-Injected Polyethylene Insulation • PVC Jacket (Black or White)

70°C	**H121A00**		B-328	B-100	6.4	2.9	0.8 mm Solid BC 75.0 Ω/km* 35.0 Ω/km**	0.138	3.50	Duofoil® + 40% TC Braid 40.0 Ω/km*** 4.1 mm	0.197	5.00	75	84%	16.2	53.0	see above		
			820	250	16.0	7.3													
			1640	500	32.0	14.5													

Return loss at 5-470 MHz: ≥ 20 dB; 470-1000 MHz: ≥ 18 dB; 1000-2000 MHz: ≥ 16 dB; 2000-3000 MHz: ≥ 15 dB

Screening attenuation at 30-1000 MHz: ≥ 75 dB; Transfer impedance at 5-30 MHz: ≤ 33.0 mΩ/m; Screening Class: C; Pulling Tension: 40 N

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • TC = Tinned Copper

Duofoil® see technical information page 23.13.

Broadband Coax
Drop Cables

BROADBAND

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Core OD (Dielectric) inch	Nominal Core OD (Dielectric) mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/100 ft.	Nominal Attenuation dB/100 m
H121A • Solid 0.8 mm Bare Copper • **Duofoil®** • 40 % Tinned Copper Braid																			
Gas-Injected Polyethylene Insulation • White PVC Jacket																			
70°C	**H121A02**	C-328	C-100	11.0	5.0	0.8 mm Solid BC 75.0 Ω/km* 35.0 Ω/km**	0.138	3.50	Duofoil® + 40% TC Braid 40.0 Ω/km*** 4.1 mm	0.197 0.417	5.00 10.60	75	84%	16.2	53.0	5	0.7	2.3
																50	1.8	5.9
																100	2.5	8.1
																230	3.7	12.1
																400	4.8	15.9
																800	6.9	22.7
																862	7.2	23.6
ShotGun		Return loss at 5-470 MHz: ≥ 20 dB; 470-1000 MHz: ≥ 18 dB; 1000-2000 MHz: ≥ 16 dB; 2000-3000 MHz: ≥ 15 dB								Screening attenuation at 30-1000 MHz: ≥ 75 dB; Transfer impedance at 5-30 MHz: ≤ 33.0 mΩ/m; Screening Class: C; Pulling Tension: 40 N							1000	7.8	25.6
																1350	9.1	30.0
																1750	10.5	34.5
																2150	11.8	38.6
																2400	12.5	41.0
H123A • Solid 0.65 mm Bare Copper • **Duofoil®** • 88 % Tinned Copper Braid																			
Gas-Injected Polyethylene Insulation • FRNC/LSNH Jacket (White or Black)																			
70°C	**H123A02**	IEC 332-1	1640	500	30.9	14.0	0.65 mm Solid BC 72.0 Ω/km* 55.0 Ω/km**	0.114	2.90	Duofoil® + 88% TC Braid 17.0 Ω/km*** 3.4 mm	0.169	4.30	75	84%	16.5	54.0	5	0.8	2.7
																	50	2.1	7.0
																	100	3.0	9.7
																	230	4.4	14.5
																	400	5.8	19.1
																	800	8.3	27.3
																	862	8.6	28.3
																	1000	9.3	30.6
		Return loss at 5-470 MHz: ≥ 20 dB; 470-1000 MHz: ≥ 18 dB; 1000-2000 MHz: ≥ 16 dB; 2000-3000 MHz: ≥ 15 dB								Screening attenuation at 30-1000 MHz: ≥ 85 dB; Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m; Screening Class: B; Pulling Tension: 33 N							1350	10.9	35.9
																	1750	12.6	41.2
																	2150	14.0	46.0
																	2400	14.9	48.9
Gas-Injected Polyethylene Insulation • White PVC Jacket																			
70°C	**H123A01**		B-328	B-100	6.4	2.9	0.65 mm Solid BC 72.0 Ω/km* 55.0 Ω/km**	0.114	2.90	Duofoil® + 88% TC Braid 17.0 Ω/km*** 3.4 mm	0.169	4.30	75	84%	16.5	54.0			see above
			1640	500	32.0	14.5													
		Return loss at 5-470 MHz: ≥ 20 dB; 470-1000 MHz: ≥ 18 dB; 1000-2000 MHz: ≥ 16 dB; 2000-3000 MHz: ≥ 15 dB								Screening attenuation at 30-1000 MHz: ≥ 85 dB; Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m; Screening Class: B; Pulling Tension: 33 N									
Gas-Injected Polyethylene Insulation • PVC Jacket (Black, Blue, Green, Red or White)																			
70°C	**H123A00**		B-328	B-100	4.0	1.8	0.65 mm Solid BC 92.0 Ω/km* 55.0 Ω/km**	0.114	2.90	Duofoil® + 44% TC Braid 37.0 Ω/km*** 3.4 mm	0.163	4.15	75	84%	16.5	54.0			see above
			U-820	U-250	9.9	4.5													
			1640	500	19.8	9.0													
			26240	8.000	317.5	144.0													
U 250 m and 500 m put-up available in White only.		Return loss at 5-470 MHz: ≥ 20 dB; 470-1000 MHz: ≥ 18 dB; 1000-2000 MHz: ≥ 16 dB; 2000-3000 MHz: ≥ 15 dB								Screening attenuation at 30-1000 MHz: ≥ 75 dB; Transfer impedance at 5-30 MHz: ≤ 37.0 mΩ/m; Screening Class: C; Pulling Tension: 33 N									
H122A • Solid 0.4 mm Copper-Covered Steel • **Duofoil®** • 60 % Tinned Copper Braid																			
Gas-Injected Polyethylene Insulation • White PVC Jacket																			
70°C	**H122A00**		B-328	B-100	3.1	1.4	0.4 mm Solid CCS 490.0 Ω/km* 450.0 Ω/km**	0.077	1.95	Duofoil® + 60% TC Braid 40.0 Ω/km*** 2.1 mm	0.144	3.65	75	80%	16.8	55.0	5	1.4	4.7
			1640	500	15.4	7.0											50	3.4	11.3
																	100	4.6	15.3
																	230	6.5	21.2
																	400	9.1	30.0
																	800	13.2	43.3
																	862	13.4	43.8
		Return loss at 5-470 MHz: ≥ 20 dB; 470-1000 MHz: ≥ 18 dB; 1000-2000 MHz: ≥ 16 dB; 2000-3000 MHz: ≥ 15 dB								Screening attenuation at 30-1000 MHz: ≥ 85 dB; Transfer impedance at 5-30 MHz: ≤ 25.0 mΩ/m; Screening Class: C; Pulling Tension: 40 N							1000	14.8	48.5
																	1350	17.2	56.5
																	1750	19.7	64.8
																	2150	22.1	72.5
																	2400	23.4	76.9

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • TC = Tinned Copper • CCS = Copper-Covered Steel

Duofoil® see technical information page 23.13.

Broadband Coax
Headend Cables

BROADBAND

Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Core OD (Dielectric) inch	Nominal Core OD (Dielectric) mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 ft.	Nominal Attenuation dB/ 100 m

20 AWG • Solid 0.8 mm Silver-Plated Copper-Covered Steel • **Duobond Plus®** • 95 % Aluminum Braid

Gas-Injected Foam Polyethylene Insulation • PVC Jacket (available in Black, Grey, White, Red, Blue, Yellow, Brown, Orange, Green, Purple, Beige, Pink or Aqua)

80°C	**9167**	NEC: CATVR CMR CEC: CMG FT4	1000	305	27.1	12.3	0.81 mm 20 AWG Solid SPCCS 99.4 Ω/km* 84.6 Ω/km**	0.144	3.66	Duobond Plus® + 95 % AL Braid 14.8 Ω/km*** 4.3 mm	0.242	6.15	75	83 %	16.2	53.1	5	0.8	2.5
																	50	1.8	6.0
																	240	3.6	11.7
																	450	5.0	16.3
																	862	7.0	22.9
																	1000	7.7	25.2


Shorting Fold

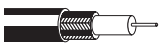
Return loss at 5-470 MHz: ≥ 20 dB; 470-862 MHz: ≥ 18 dB; 862-2150 MHz: ≥ 16 dB

Screening attenuation at 30-1000 MHz: ≥ 85 dB
Sweep tested. 5 MHz to 1 GHz.

23 AWG • Solid 0.6 mm Copper-Covered Steel • 95 % Bare Copper Braid

Polyethylene Insulation • Black PVC Jacket

70°C	**MRG5900**		328	100	10.1	4.6	0.58 mm Solid CCS 94.0 Ω/km* 79.0 Ω/km**	0.146	3.70	95 % BC Braid 15.0 Ω/km*** 4.3 mm	0.242	6.15	75	66 %	20.4	67.0	5	0.9	2.9
			B-328	B-100	10.1	4.6											50	2.4	8.0
			B-656	B-200	20.3	9.2											100	3.5	11.6
			1640	500	50.7	23.0											230	5.2	17.2
			3280	1000	101.4	46.0											400	7.6	25.0
																	800	11.5	37.8
																	862	12.0	39.2
																	1000	13.1	42.9
																	1350	15.2	50.0
																	1750	17.4	57.0
																	2150	19.2	63.0



Return loss at 5-470 MHz: ≥ 20 dB; 470-1000 MHz: ≥ 18 dB; 1000-2000 MHz: ≥ 16 dB; 2000-3000 MHz: ≥ 15 dB

Screening attenuation at 30-1000 MHz: ≥ 65 dB

23 AWG • Solid 0.6 mm Bare Copper • 92 % Double Tinned Copper Braid

Polyethylene Insulation • Black PVC Jacket

70°C	**H106T00**		B-328	B-100	12.6	5.7	0.58 mm Solid BC 97.5 Ω/km* 79.0 Ω/km**	0.146	3.70	92 % TC Braid + 92 % TC Braid 18.5 Ω/km*** 4.9 mm	0.236	6.00	75	66 %	20.4	67.0	5	0.7	2.4
			1640	500	62.8	28.5											50	2.4	8.0
																	100	3.5	11.6
																	230	5.6	18.3
																	400	7.6	25.0
																	800	11.5	37.8
																	862	12.0	39.2
																	1000	13.1	42.9

Return loss at 5-470 MHz: ≥ 20 dB; 470-1000 MHz: ≥ 18 dB

Screening attenuation at 30-1000 MHz: ≥ 75 dB

Polyethylene Insulation • Grey FRNC Jacket

70°C	**H106T01**	IEC 332-1	1640	500	63.9	29.0	0.58 mm Solid BC 97.5 Ω/km* 79.0 Ω/km**	0.146	3.70	92 % TC Braid + 92 % TC Braid 18.5 Ω/km*** 4.9 mm	0.236	6.00	75	66 %	20.4	67.0	see above		

Return loss at 5-470 MHz: ≥ 20 dB; 470-1000 MHz: ≥ 18 dB

Screening attenuation at 30-1000 MHz: ≥ 75 dB

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • TC = Tinned Copper • SPCCS = Silver-Plated Copper-Covered Steel • AL = Aluminum • CCS = Copper-Covered Steel

Duobond Plus® see technical information page 23.13.

GigaFlex 4800LX Cables Series

ANSI/TIA/EIA-568-B.2-1, Category 6,
Enhanced Category 6 Non-Bonded-Pair Cables

Certified System 4800LX

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Freq. MHz	Max. Atten. dB/100m	Min. PSUM NEXT dB	Min. PSUM ACR dB/100m	Min. PSUM ELFEXT dB/100m	Input Imp. (Ω)	Min. RL dB
Cat 6 • 23 AWG • Solid 0.6 mm Bare Copper • Twisted Pair • Central Cross Web Filler • Rip Cord																			
Polyolefin Insulation • PVC Jacket																			
White-Reel Blue-Reel	**24586385** **24586985**	NEC: CMR CEC: CMR	1000	305	29.1	13.2	0.57 mm 23 AWG Solid BC	0.044	1.11	Non-Bonded-Pair Unshielded U/UTP	0.245	6.22	0.772	1.7	80.0	78.3	74.0	100 ± 12	–
													1	1.8	78.3	76.5	71.8	100 ± 12	20.0
													4	3.4	69.3	65.9	59.7	100 ± 12	23.0
													8	4.8	64.8	60.0	53.7	100 ± 12	25.0
													10	5.3	63.3	58.0	51.8	100 ± 12	25.0
													16	6.8	60.3	53.5	47.7	100 ± 12	25.0
													20	7.6	58.8	51.2	45.7	100 ± 12	25.0
													25	8.5	57.3	48.8	43.8	100 ± 15	24.6
													31.25	9.6	55.9	46.3	41.9	100 ± 15	24.2
													62.5	13.8	51.4	37.6	35.8	100 ± 15	23.0
													100	17.8	48.3	30.5	31.8	100 ± 15	22.1
													200	26.2	43.8	17.6	25.7	100 ± 15	20.9
													250	29.7	42.3	12.6	23.8	100 ± 20	20.5
													300	33.0	41.2	8.2	22.2	100 ± 20	20.2
													350	36.1	40.2	4.1	20.9	100 ± 22	19.9
													400	39.0	39.3	0.3	19.7	100 ± 22	19.7
													450*	41.8	38.5	- 3.3	18.7	100 ± 22	19.5
													500*	44.5	37.8	- 6.7	17.8	100 ± 22	19.3
													550*	47.1	37.2	- 9.9	16.9	100 ± 22	19.1
Rip Cord 4-Pair			Color Code: see chart below							Third party verified to TIA/EIA-568-B.2-1, Category 6 Jacket sequentially market at 0.6 m intervals. Features descending length marking.									
Polyolefin Insulation • FRNC/LSNH Polymer Alloy																			
Violet-Reel	**24588085**	NEC: CMR CEC: CMR	1000	305	31.1	14.1	0.57 mm 23 AWG Solid BC	0.044	1.11	Non-Bonded-Pair Unshielded U/UTP	0.240	6.10							see above
Rip Cord 4-Pair			Color Code: see chart below							Third party verified to TIA/EIA-568-B.2-1, Category 6 Jacket sequentially market at 0.6 m intervals. Features descending length marking.									
Plenum • FEP Insulation • FRNC/LSNH Polymer Alloy																			
White-Reel Blue-Reel	**24587385** **24587985**	NEC: CMP CEC: CMP	1000	305	30.6	13.9	0.57 mm 23 AWG Solid BC	0.043	1.10	Non-Bonded-Pair Unshielded U/UTP	0.229	5.81							see above
Rip Cord 4-Pair			Color Code: see chart below							Third party verified to TIA/EIA-568-B.2-1, Category 6 Jacket sequentially market at 0.6 m intervals. Features descending length marking.									

BC = Bare Copper • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • DCR = DC resistance
* Values provided for information only.

Color Code

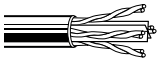
Pair No.	Color
1	White/Blue Stripe, Blue
2	White/Orange Stripe, Orange
3	White/Green Stripe, Green
4	White/Brown Stripe, Brown

Category 6 U/UTP Cables

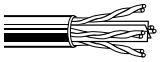
TIA/EIA-568-B.2, Category 6,
Bonded-Pair Cables

Certified System 2400

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Freq. MHz	Max. Atten. dB/100m	Min. PSUM NEXT dB	Min. PSUM ACR dB/100m	Min. PSUM ELFEXT dB/100m	Input Imp. (Ω)	Min. RL dB
Cat 6 • 23 AWG • Bonded-Pair • Solid 0.6 mm Bare Copper • Twisted Pair																			
Polyolefin Insulation • PVC Jacket (Grey and Blue)																			
	7812E	B-328	B-100	9.5	4.3	0.57 mm	0.042	1.06	**Bonded-Pair**	0.256	6.50	1	2.1	72.0	70.2	65.0	100 ± 15	20.0
		U-1000	U-305	28.9	13.1	23 AWG			Unshielded			4	3.8	63.0	59.4	53.0	100 ± 15	23.0
		1640	500	47.4	21.5	Solid BC			U/UTP			10	6.0	57.0	51.3	45.0	100 ± 15	25.0
		3280	1000	94.8	43.0							16	7.6	54.0	46.6	41.0	100 ± 15	25.0
												20	8.5	53.0	44.3	39.0	100 ± 15	25.0
												25	9.6	51.0	41.8	37.0	100 ± 15	24.3
												31.25	10.7	50.0	39.1	35.0	100 ± 15	23.6
												62.5	15.5	45.0	29.9	29.0	100 ± 15	21.5
												100	19.9	42.0	22.4	25.0	100 ± 15	20.1
												155	25.3	39.0	14.1	21.0	100 ± 22	18.8
												200	29.1	38.0	8.6	19.0	100 ± 22	18.0
												250	33.0	36.0	3.3	17.0	100 ± 22	17.3
		Color Code: see chart below								Applicable industry standards: EN 50173, ISO/IEC 11801, TIA/EIA 568-B2									
Polyolefin Insulation • FRNC/LSNH Jacket (Grey and Blue)																			
	7812ENH	B-328	B-100	9.5	4.3	0.57 mm	0.042	1.06	**Bonded-Pair**	0.256	6.50								see above
		1000	305	28.9	13.1	23 AWG			Unshielded										
		1640	500	47.4	21.5	Solid BC			U/UTP										
		Color Code: see chart below								Burning Energy: 535 kJ/m Applicable industry standards: EN 50173, ISO/IEC 11801, TIA/EIA 568-B2									



4-Pair



4-Pair

BC = Bare Copper • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • DCR = DC resistance

Color Code

Pair No.	Color
1	White/Blue Stripe, Blue
2	White/Orange Stripe, Orange
3	White/Green Stripe, Green
4	White/Brown Stripe, Brown

Get the Bonded-Pairs Cable Preparation Tool

See page 15.37 for details.
(Part No. 1797B)

GigaFlex 2400 Cables Series

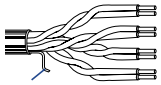
ANSI/TIA/EIA-568-B.2-1, Category 6,
Enhanced Category 6 Non-Bonded-Pair Cables

Certified System 2400

Cat 6 • 24 AWG • Solid 0.5 mm Bare Copper • Twisted Pair • Rip Cord

Polyolefin Insulation • PVC Jacket

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Freq. MHz	Max. Atten. dB/100m	Min. PSUM NEXT dB	Min. PSUM ACR dB/100m	Min. PSUM ELFEXT dB/100m	Input Imp. (Ω)	Min. RL dB
White †	**24566315**	NEC:	1000	305	26.0	11.8	0.51 mm	0.042	1.06	Non-	0.214	5.44	0.772	1.8	75.0	73.2	70.0	100 ± 15	19.7
Blue †	**24566915**	CMR					24 AWG			Bonded-Pair			1	2.0	73.3	71.3	67.8	100 ± 15	20.0
White	**24566345**	CEC:					Solid BC			Unshielded			4	3.7	64.3	60.6	55.8	100 ± 15	23.0
Blue	**24566945**	CMR								U/UTP			8	5.2	59.8	54.6	49.7	100 ± 15	24.5
													10	5.8	58.3	52.5	47.8	100 ± 15	25.0
													16	7.4	55.2	47.9	43.7	100 ± 15	25.0
													20	8.3	53.8	45.5	41.8	100 ± 15	25.0
													25	9.3	52.3	43.1	39.8	100 ± 15	24.3
													31.25	10.4	50.9	40.5	37.9	100 ± 15	23.6
													62.5	15.0	46.4	31.4	31.9	100 ± 15	21.5
													100	19.3	43.3	24.0	27.8	100 ± 15	20.1
													200	28.3	38.8	10.5	21.8	100 ± 15	18.0
													250	32.1	37.3	5.3	19.8	100 ± 32	17.3
													300*	35.6	36.1	0.5	18.3	100 ± 32	16.8
													350*	38.9	35.1	- 3.7	16.9	100 ± 32	16.3
													400*	42.0	34.3	- 7.7	15.8	100 ± 32	15.9
													450*	45.0	33.5	- 11.5	14.7	100 ± 32	15.5



Rip Cord

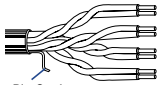
4-Pair

Color Code: see chart below

Third party verified to TIA/EIA-568-B.2-1, Category 6
Jacket sequentially marked at 0.6 m intervals. Features descending length marking.

Polyolefin Insulation • FRNC/LSNH Polymer Alloy

Violet-Reel	**24568005**	NEC:	1000	305	28.0	12.7	0.51 mm	0.043	1.08	Non-	0.214	5.44	see above
Violet-Box	**24568015**	CMR	1000	305	28.0	12.7	24 AWG			Bonded-Pair			
White-Box	**24568315**	CEC:	1000	305	28.0	12.7	Solid BC			Unshielded			
White-Reel	**24568331**	CMR	1640	500	45.9	20.8				U/UTP			



Rip Cord

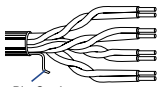
4-Pair

Color Code: see chart below

Third party verified to TIA/EIA-568-B.2-1, Category 6
Jacket sequentially marked at 0.6 m intervals. Features descending length marking.

Plenum • FEP Insulation • Low-Smoke PVC Jacket

White †	**24567315**	NEC:	1000	305	24.0	10.9	0.51 mm	0.042	1.06	Non-	0.210	5.33	see above
Blue †	**24567915**	CMR					24 AWG			Bonded-Pair			
White	**24567345**	CEC:					Solid BC			Unshielded			
Blue	**24567945**	CMR								U/UTP			



Rip Cord

4-Pair

Color Code: see chart below

Third party verified to TIA/EIA-568-B.2-1, Category 6
Jacket sequentially marked at 0.6 m intervals. Features descending length marking.

BC = Bare Copper • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • DCR = DC resistance
* Values provided for information only.
† Reel-in-Box

Color Code

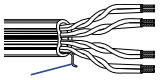
Pair No.	Color
1	White/Blue Stripe, Blue
2	White/Orange Stripe, Orange
3	White/Green Stripe, Green
4	White/Brown Stripe, Brown

MediaTwist® U/UTP Cables

TIA/EIA-568-B.2-1, Category 6, Enhanced Category 6 Bonded-Pair Cables

Certified System 2400

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Freq. MHz	Max. Atten. dB/100m	Min. PSUM NEXT dB	Min. PSUM ACR dB/100m	Min. PSUM ELFEXT dB/100m	Input Imp. (Ω)	Min. RL dB
Cat 6 • 23 AWG • Solid 0.6 mm Bare Copper • Rip Cord																			
Polyolefin Insulation • PVC Jacket (Blue, Red, Yellow, Orange, Green, Gold, Violet, White, Black and Grey)																			
	1872A	NEC:	1000	305	37.0	16.8	0.57 mm	0.042	1.06	**Bonded-Pair**	0.365	9.27	1	1.9	72.3	70.0	64.8	100 ± 12	20.0
		CMR	A-1000	A-305	37.0	16.8	23 AWG			Unshielded	x	x	4	3.7	63.3	59.0	52.8	100 ± 12	23.0
		CEC:					Solid BC			U/UTP	0.165	4.19	8	5.3	58.8	53.0	46.7	100 ± 12	24.5
		CMR											10	5.9	57.3	51.0	44.8	100 ± 12	25.0
													16	7.5	54.3	46.0	40.7	100 ± 12	25.0
													25	9.5	51.4	42.0	36.8	100 ± 15	24.3
													31.25	10.6	49.9	39.0	34.9	100 ± 15	23.6
													62.5	15.4	45.4	30.0	28.9	100 ± 15	21.5
													100	19.8	42.3	25.0	24.8	100 ± 15	21.0
													155	25.1	39.5	14.0	20.9	100 ± 15	21.0
													200	29.0	37.8	10.0	18.8	100 ± 15	21.0
													250	32.8	36.3	3.0	16.8	100 ± 20	18.0
													300	35.2	35.2	> 0	15.2	100 ± 20	18.0
													350	39.8	34.2	–	13.9	100 ± 22	17.0
													400*	43.0	–	–	–	100 ± 32	14.0
													500*	49.0	–	–	–	100 ± 32	14.0

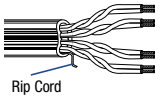


4-Pair

Color Code: see chart below
A-305 m put-up not available in Black.

Third party verified to TIA/EIA-568-B.2-1, Category 6
U.S. Patents 5,606,151; 5,734,126; 5,821,467
Jacket sequentially marked at 0.6 m intervals. Features descending length marking.

Plenum • FEP Teflon® Insulation • Flamarrest® Jacket (Blue, Natural, Grey, Red, Yellow, Orange, Green, Gold, Violet, White and Black)																			
	1874A	NEC:	1000	305	37.0	16.8	0.57 mm	0.039	1.00	**Bonded-Pair**	0.365	9.27							see above
		CMP	A-1000	A-305	37.9	17.2	23 AWG			Unshielded	x	x							
		CEC:					Solid BC			U/UTP	0.165	4.19							
		CMP																	



4-Pair

Color Code: see chart below
A-305 m put-up not available in Black.

Third party verified to TIA/EIA-568-B.2-1, Category 6
U.S. Patents 5,606,151; 5,734,126; 5,821,467
Jacket sequentially marked at 0.6 m intervals. Features descending length marking.

BC = Bare Copper • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • DCR = DC resistance
* Values provided for information only.

Teflon® is a DuPont trademark.

Not RoHS compliant at time of printing.

Color Code

Pair No.	Color
1	White/Blue Stripe, Blue
2	White/Orange Stripe, Orange
3	White/Green Stripe, Green
4	White/Brown Stripe, Brown

Get the Bonded-Pairs Cable Preparation Tool

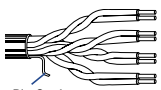
See page 15.37 for details.
(Part No. 1797B)

DataTwist® 350 U/UTP Cables

TIA/EIA-568-B.2, Category 5e,
Enhanced Category 5e Bonded-Pair Cables

Certified System 1200

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Freq. MHz	Max. Atten. dB/100m	Min. PSUM NEXT dB	Min. PSUM ACR dB/100m	Min. PSUM ELFEXT dB/100m	Input Imp. (Ω)	Min. RL dB
Cat 5e • 24 AWG • Bonded-Pair • Solid 0.5 mm Bare Copper • Rip Cord																			
Polyolefin Insulation • PVC Jacket (Red, Orange, White, Black, Yellow, Green, Blue, Violet, Light Grey and Grey)																			
	1700A	NEC:	U-1000	U-305	22.0	10.0	0.51 mm	0.038	0.97	**Bonded-Pair**	0.200	5.08	1	2.0	65.3	63.3	60.8	100 ± 12	20.0
		CM	1000	305	22.0	10.0	24 AWG			Unshielded			4	4.0	56.3	52.3	48.8	100 ± 12	23.0
		CEC:	1640	500	36.2	16.4	Solid BC			U/UTP			8	5.7	51.8	46.1	42.7	100 ± 12	24.5
		CM	3000	914	63.1	28.6							10	6.4	50.3	43.9	40.8	100 ± 12	25.0
			3280	1000	72.3	32.8							16	8.1	47.3	39.1	36.7	100 ± 12	25.0
													25	10.3	44.3	34.1	32.8	100 ± 15	24.3
													31.25	11.6	42.9	31.3	30.9	100 ± 15	23.6
													62.5	16.8	38.4	21.6	24.8	100 ± 15	21.5
													100	21.7	35.3	17.1	20.8	100 ± 15	20.1
													155	27.7	32.5	4.7	16.9	100 ± 18	19.0
													200	32.0	30.8	3.0	14.7	100 ± 18	19.0
													250	36.4	29.3	> 0	12.8	100 ± 20	18.0
													350	44.3	27.2	> 0	9.9	100 ± 22	17.0



4-Pair

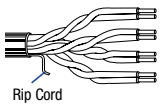
305 m put-up not available in Grey.
914 m put-up available in Red, Blue, White or Light Grey only.
500 m put-up available in Light Grey or Blue only.
1000 m put-up available in Light Grey only.

Third party verified to TIA/EIA-568-B.2, Category 5e
U.S. Patents 5,606,151 and 5,734,126
Jacket sequentially marked at 0.6 m intervals. Features descending length marking.

Color Code: see chart below

Polyolefin Insulation • PVC Jacket (Grey and Blue)

1700E	B-328	B-100	6.1	2.8	0.51 mm	0.038	0.97	**Bonded-Pair**	0.197	5.00			
	U-1000	U-305	18.7	8.5	24 AWG			Unshielded					
	1000	305	18.7	8.5	Solid BC			U/UTP					
	1640	500	30.9	14.0									
	3280	1000	61.7	28.0									



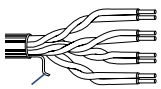
4-Pair

Color Code: see chart below

Applicable industry standards: EN 50173, ISO/IEC 11801, TIA/EIA 568-B2

Polyolefin Insulation • FRNC/LSNH Jacket (Grey and Blue)

1700ENH	60332-1	B-328	B-100	6.1	2.8	0.51 mm	0.038	0.97	**Bonded-Pair**	0.197	5.00		see above
	CSA FT1	U-1000	U-305	18.7	8.5	24 AWG			Unshielded				
	UL CM	1640	500	30.9	14.0	Solid BC			U/UTP				
	UL ISDI (Vertical Tray)	3280	1000	61.7	28.0								



4-Pair

Color Code: see chart below
305 m and 1000 m put-up available in Grey only.

Burning Energy: 298 kJ/m
Flame Test: IEC 60332-2, UL CM UL ISDI Vertical Tray, CAS FT1
Applicable industry standards: EN 50173, ISO/IEC 11801, TIA/EIA 568-B2

BC = Bare Copper • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • DCR = DC resistance

Color Code

Pair No.	Color
1	White/Blue Stripe, Blue
2	White/Orange Stripe, Orange
3	White/Green Stripe, Green
4	White/Brown Stripe, Brown

Get the Bonded-Pairs Cable Preparation Tool

See page 15.37 for details.
(Part No. 1797B)

GigaFlex 1200 Cables Series

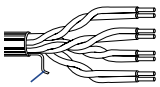
ANSI/TIA/EIA-568-B.2, Category 5e,
Enhanced Category 5e Non-Bonded-Pair Cables

Certified System 1200

Cat 5e • 24 AWG • Solid 0.5 mm Bare Copper • Twisted Pair • Rip Cord

Polyolefin Insulation • PVC Jacket

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Freq. MHz	Max. Atten. dB/100m	Min. PSUM NEXT dB	Min. PSUM ACR dB/100m	Min. PSUM ELFEXT dB/100m	Input Imp. (Ω)	Min. RL dB
White, Box	**24570166**	NEC:	1000	305	24.0	10.9	0.51 mm	0.035	0.89	Non-	0.186	4.72	0.772	1.8	69.0	67.3	63.0	100 ± 15	–
Blue, Box	**24570161**	CMR					24 AWG			Bonded-Pair			1	2.0	67.3	65.3	60.8	100 ± 15	20.0
White, Reel	**24570460**	CEC:					Solid BC			Unshielded			4	4.0	58.3	54.3	48.7	100 ± 15	23.0
Blue, Reel	**24570452**	CMR								U/UTP			8	5.7	53.8	48.1	42.7	100 ± 15	24.5
													10	6.3	52.3	46.0	40.8	100 ± 15	25.0
													16	8.1	49.3	41.2	36.7	100 ± 15	25.0
													20	9.1	47.8	38.7	34.7	100 ± 15	25.0
													25	10.2	46.3	36.1	32.8	100 ± 15	24.3
													31.25	11.5	44.9	33.4	30.9	100 ± 15	23.6
													62.5	16.7	40.4	23.7	24.8	100 ± 15	21.5
													100	21.6	37.3	15.7	20.8	100 ± 15	20.1
													200*	31.9	32.8	0.9	14.7	100 ± 22	18.0
													250*	36.3	31.3	- 4.9	12.8	100 ± 22	17.3
													300*	40.3	30.2	- 10.2	11.2	100 ± 22	16.8
													350*	44.2	29.2	- 15.0	9.9	100 ± 22	16.3



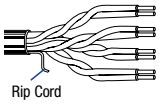
Rip Cord

Color Code: see chart below

Third party verified to TIA/EIA-568-B.2, Category 5e
Jacket sequentially market at 0.6 m intervals. Features descending length marking.

Polyolefin Insulation • FRNC/LSNH Polymer Alloy

Violet, Box	**24570157**	NEC:	1000	305	24.9	11.3	0.51 mm	0.035	0.89	Non-	0.198	5.03							see above
White, Box	**24598301**	CMR	1000	305	24.9	11.3	24 AWG			Bonded-Pair									
White, Reel	**24598331**	CEC:	1640	500	40.8	18.5	Solid BC			Unshielded									
		CMR								U/UTP									



Rip Cord

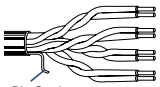
4-Pair

Color Code: see chart below

Third party verified to TIA/EIA-568-B.2, Category 5e
Jacket sequentially marked at 0.6 m intervals. Features descending length marking.

Plenum • Polyolefin/FEP Insulation • Low-Smoke PVC Jacket

White, Box	**24570810**	NEC:	1000	305	22.0	9.98	0.51 mm	0.035	0.90	Non-	0.188	4.78							see above
Blue, Box	**24570800**	CMP					24 AWG			Bonded-Pair									
White, Reel	**24570808**	CEC:					Solid BC			Unshielded									
Blue, Reel	**24570812**	CMP								U/UTP									



Rip Cord

4-Pair

Color Code: see chart below

Third party verified to TIA/EIA-568-B.2, Category 5e
Jacket sequentially marked at 0.6 m intervals. Features descending length marking.

BC = Bare Copper • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • DCR = DC resistance
* Values provided for information only.

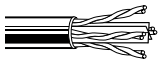
Color Code

Pair No.	Color
1	White/Blue Stripe, Blue
2	White/Orange Stripe, Orange
3	White/Green Stripe, Green
4	White/Brown Stripe, Brown

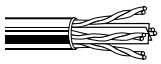
DataTwist® 6 U/UTP Cables

TIA/EIA-568-B.2, Category 6,
Non-Bonded-Pair Cables

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Freq. MHz	Max. Atten. dB/100m	Min. PSUM NEXT dB	Min. PSUM ACR dB/100m	Min. PSUM ELFEXT dB/100m	Input Imp. (Ω)	Min. RL dB
Cat 6 • 23 AWG • Unbonded-Pair • Solid 0.6 mm Bare Copper • Twisted Pair																			
Polyolefin Insulation • PVC Jacket (Grey and Blue)																			
	7965E	B-328	B-100	9.5	4.3	0.57 mm	0.040	1.01	Non-	0.244	6.20	1	2.1	72.0	70.2	65.0	100 ± 15	20.0
		U-1000	U-305	28.9	13.1	23 AWG			Bonded-Pair			4	3.8	63.0	59.4	53.0	100 ± 15	23.0
		1000	305	28.9	13.1	Solid BC			Unshielded			10	6.0	57.0	51.3	45.0	100 ± 15	25.0
		1640	500	47.4	21.5				U/UTP			16	7.6	54.0	46.6	41.0	100 ± 15	25.0
		3280	1000	94.8	43.0							20	8.5	53.0	44.3	39.0	100 ± 15	25.0
												25	9.6	51.0	41.8	37.0	100 ± 15	24.3
												31.25	10.7	50.0	39.1	35.0	100 ± 15	23.6
												62.5	15.5	45.0	29.9	29.0	100 ± 15	21.5
												100	19.9	42.0	22.4	25.0	100 ± 15	20.1
												155	25.3	39.0	14.1	21.0	100 ± 22	18.8
												200	29.1	38.0	8.6	19.0	100 ± 22	18.0
												250	33.0	36.0	3.3	17.0	100 ± 22	17.3
		Color Code: see chart below 305 m, 500 m and 1000 m put-up available in Blue only.								Applicable industry standards: EN 50173, ISO/IEC 11801, TIA/EIA 568-B2									
Polyolefin Insulation • FRNC/LSNH Jacket (Grey or Blue)																			
	7965ENH	B-328	B-100	9.5	4.3	0.57 mm	0.040	1.01	Non-	0.244	6.20							see above	
		1000	305	28.9	13.1	23 AWG			Bonded-Pair										
		1640	500	47.4	21.5	Solid BC			Unshielded										
		3280	1000	94.8	43.0				U/UTP										
		Color Code: see chart below								Applicable industry standards: EN 50173, ISO/IEC 11801, TIA/EIA 568-B2 Burning Energy: 478 kJ/m									



4-Pair



4-Pair

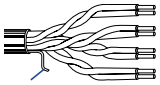
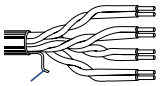
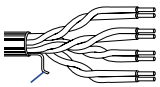
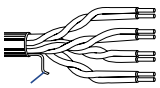
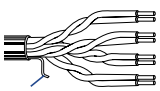
BC = Bare Copper • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • DCR = DC resistance

Color Code

Pair No.	Color
1	White/Blue Stripe, Blue
2	White/Orange Stripe, Orange
3	White/Green Stripe, Green
4	White/Brown Stripe, Brown

DataTwist® 5e U/UTP Cables

ANSI/TIA/EIA-568-B.2, Category 5e, Non-Bonded-Pair Cables

Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Freq. MHz	Max. Atten. dB/100m	Min. PSUM NEXT dB	Min. PSUM ACR dB/100m	Min. PSUM ELFEXT dB/100m	Input Imp. (Ω)	Min. RL dB
Cat 5e • 24 AWG • Solid 0.5 mm Bare Copper • Twisted Pair																			
Polyolefin Insulation • PVC Jacket (White, Black, Grey, Blue, Red, Orange, Yellow, Green and Pink)																			
	1583A	NEC:	U-1000	U-305	20.9	9.5	0.51 mm	0.037	0.93	Non-	0.195	4.95	1	2.0	62.3	60.3	60.8	100 ± 15	20.0
		CM	1000	305	20.9	9.5	24 AWG			Bonded-Pair			4	4.1	53.3	49.2	48.7	100 ± 15	23.0
		CEC:	1640	500	34.6	15.7	Solid BC			Unshielded			10	6.5	47.3	40.8	40.8	100 ± 15	25.0
		CM	3000	914	63.1	28.6				U/UTP			16	8.2	44.3	36.0	36.7	100 ± 15	25.0
													31.25	11.7	39.9	28.2	30.9	100 ± 15	23.6
													62.5	17.0	35.4	19.0	24.9	100 ± 15	21.5
													100	22.0	32.3	10.3	20.8	100 ± 15	20.1
													200	32.0	27.8	1.0	14.7	100 ± 25	15.0
 Rip Cord																			
4-Pair			Color Code: see chart below 500 m put-up available in Dark Grey or Blue only. 914 m put-up available in Dark Grey, White or Blue only.							Third party verified to TIA/EIA-568-B.2, Category 5e Jacket sequentially marked at 0.6 m intervals.									
Polyolefin Insulation • PVC Jacket (Grey and Blue)																			
	1583E		B-328	B-100	6.1	2.8	0.51 mm	0.037	0.93	Non-	0.197	5.00							see above
			U-1000	U-305	18.7	8.5	24 AWG			Bonded-Pair									
			1000	305	18.7	8.5	Solid BC			Unshielded									
			1640	500	30.9	14.0				U/UTP									
			3280	1000	61.7	28.0													
 Rip Cord																			
4-Pair			Color Code: see chart below 500 m put-up available in Grey only.							Applicable industry standards: EN 50173, ISO/IEC 11801, TIA/EIA 568-B2									
Polyolefin Insulation • FRNC/LSNH Jacket (Grey and Blue)																			
	1583ENH	CSA FT1	B-328	B-100	6.1	2.8	0.51 mm	0.037	0.93	Non-	0.197	5.00							see above
		UL CM	U-1000	U-305	18.7	8.5	24 AWG			Bonded-Pair									
		UL ISDI	1000	305	18.7	8.5	Solid BC			Unshielded									
		(Vertical Tray)	1640	500	30.9	14.0				U/UTP									
			3280	1000	61.7	28.0													
 Rip Cord																			
4-Pair			Color Code: see chart below 1000 m put-up available in Grey only.							Applicable industry standards: EN 50173, ISO/IEC 11801, TIA/EIA 568-B2 Burning Energy: 310 kJ/m									
Polyolefin Insulation • UV Resistant PVC Jacket (Grey, White and Ivory)																			
Indoor/ Outdoor	**1594A**	NEC:	U-1000	U-305	26.0	11.8	0.51 mm	0.034	0.87	Non-	0.220	5.58							see above
		CMR/CMX					24 AWG			Bonded-Pair									
		CEC:					Solid BC			Unshielded									
		CMR/CMX								U/UTP									
 Rip Cord																			
4-Pair			Color Code: see chart below							Third party verified to TIA/EIA-568-B.2, Category 5e Jacket sequentially marked at 0.6 m intervals.									
Outside Plant • Polyolefin Insulation • Black Gel-Filled Polyethylene Jacket																			
Outdoor	**7997A**		U-1000	U-305	37.9	17.2	0.51 mm	0.041	1.04	Non-	0.251	6.38	1	2.0	68.3	66.3	64.8	100 ± 15	20.0
							24 AWG			Bonded-Pair			4	4.0	59.3	55.3	52.8	100 ± 15	23.0
							Solid BC			Unshielded			10	6.4	53.3	46.9	44.8	100 ± 15	25.0
										U/UTP			16	8.1	50.2	42.1	40.7	100 ± 15	25.0
													31.25	11.4	45.9	34.5	34.9	100 ± 15	23.6
													62.5	16.4	41.4	25.0	28.9	100 ± 15	21.5
													100	21.0	38.3	17.3	24.8	100 ± 15	20.1
													200	30.5	33.8	3.3	18.8	100 ± 22	18.0
 Rip Cord																			
4-Pair			Color Code: see chart below							Third party verified to TIA/EIA-568-B.2, Category 5e Jacket sequentially marked at 0.6 m intervals.									

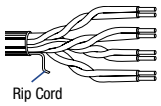
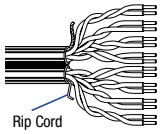
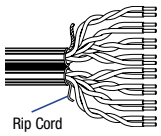
BC = Bare Copper • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • DCR = DC resistance

Color Code

Pair No.	Color
1	White/Blue Stripe, Blue
2	White/Orange Stripe, Orange
3	White/Green Stripe, Green
4	White/Brown Stripe, Brown

DataTwist® 5e U/UTP Cables

TIA/EIA-568-B.2, Category 5e,
Non-Bonded-Pair Cables

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Freq. MHz	Max. Atten. dB/100m	Min. PSUM NEXT dB	Min. PSUM ACR dB/100m	Min. PSUM ELFEXT dB/100m	Input Imp. (Ω)	Min. RL dB
Cat 5e • 24 AWG • Solid 0.5 mm Bare Copper • Twisted Pair																			
Plenum • FEP Teflon® Insulation • Flamarrest® Jacket (Red, Orange, Yellow, Green, Grey, White, Black, Pink, Natural and Blue)																			
	1585A	NEC:	U-1000	U-305	23.1	10.5	0.51 mm	0.035	0.88	Non-	0.198	5.03	1	2.0	62.3	60.3	60.8	100 ± 15	20.0
		CMP	1000	305	24.0	10.9	24 AWG			Bonded-Pair			4	4.1	53.3	49.2	48.7	100 ± 15	23.0
		CEC:	3000	915	69.2	31.4	Solid BC			Unshielded			10	6.5	47.3	40.8	40.8	100 ± 15	25.0
		CMP FT6								U/UTP			16	8.2	44.3	36.0	36.7	100 ± 15	25.0
													31.25	11.7	39.9	28.2	30.9	100 ± 15	23.6
													62.5	17.0	35.4	19.0	24.9	100 ± 15	21.5
													100	22.0	32.3	10.3	20.8	100 ± 15	20.1
													200	32.0	27.8	1.0	14.7	100 ± 25	15.0
 Rip Cord																			
4-Pair			Color Code: see chart below 915 m put-up available in Natural or Blue only.							Third party verified to TIA/EIA-568-B.2, Category 5e Jacket sequentially marked at 0.6 m intervals.									
Polyolefin Insulation • Grey PVC Jacket																			
	1667E	CSA FT1	B-328	B-100	12.3	5.6	0.51 mm	0.035	0.89	Non-	0.197	5.00	1	2.1	62.0	60.2	61.0	100 ± 15	20.0
		UL CM	1000	305	37.5	17.0	24 AWG			Bonded-Pair	x	x	4	4.0	53.0	49.3	49.0	100 ± 15	23.0
		UL ISDI	1640	500	61.7	28.0	Solid BC			Unshielded	0.413	10.50	8	5.7	49.0	43.1	43.0	100 ± 15	24.5
		(Vertical Tray)								U/UTP			10	6.3	47.0	41.0	41.0	100 ± 15	25.0
													16	8.0	44.0	36.2	37.0	100 ± 15	25.0
													20	9.0	43.0	33.8	35.0	100 ± 15	23.6
													25	10.1	41.0	31.2	33.0	100 ± 15	24.3
													31.25	11.4	40.0	28.5	31.0	100 ± 15	23.6
													62.5	16.5	35.0	18.8	25.0	100 ± 15	21.5
													100	21.3	32.0	11.0	41.0	100 ± 15	20.1
 Rip Cord																			
8-Pair, Twin			Color Code: see chart below							Applicable industry standards: EN 50173, ISO/IEC 11801, TIA/EIA 568-B2									
Polyolefin Insulation • Grey FRNC/LSNH Jacket																			
	1667ENH	CSA FT1	B-328	B-100	12.3	5.6	0.51 mm	0.035	0.89	Non-	0.197	5.00							see above
		UL CM	1000	305	37.5	17.0	24 AWG			Bonded-Pair	x	x							
		UL ISDI	1640	500	61.7	28.0	Solid BC			Unshielded	0.413	10.50							
		(Vertical Tray)	3280	1000	123.5	56.0				U/UTP									
 Rip Cord																			
8-Pair, Twin			Color Code: see chart below							Applicable industry standards: EN 50173, ISO/IEC 11801, TIA/EIA 568-B2 Burning Energy: 621 kJ/m									

BC = Bare Copper • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • DCR = DC resistance

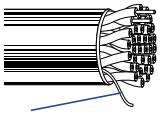
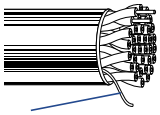
Teflon® is a DuPont trademark.

Color Code

Pair No.	Color
1	White/Blue Stripe, Blue
2	White/Orange Stripe, Orange
3	White/Green Stripe, Green
4	White/Brown Stripe, Brown

IBDN Plus 25-Pair Cat5e U/UTP Cables

TIA/EIA-568-B.2, Category 5e,
Enhanced Category 5e, Non-Bonded-Pair Cables

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Freq. MHz	Max. Atten. dB/100m	Min. PSUM NEXT dB	Min. PSUM ACR dB/100m	Min. PSUM ELFEXT dB/100m	Input Imp. (Ω)	Min. RL dB
Cat 5e • 24 AWG • Solid 0.5 mm Bare Copper • Twisted Pair • Rip Cord																			
Polyolefin Insulation • Grey PVC Jacket																			
Grey, Reel	**24576125**	NEC: CMP CEC: CMR	1000	305	119.0	54.0	0.51 mm 24 AWG Solid BC	0.041	1.03	Non-Bonded-Pair Unshielded U/UTP	0.490	12.45	0.772	1.8	64.0	63.0	–	100 ± 15	19.4
													1	2.0	62.3	63.8	–	100 ± 15	20.0
													4	4.1	53.3	48.8	–	100 ± 15	23.0
													8	15.8	48.8	42.7	–	100 ± 15	24.5
													10	16.5	47.3	40.8	–	100 ± 15	25.0
													16	8.2	44.2	36.7	–	100 ± 15	25.0
													20	9.3	42.8	34.8	–	100 ± 15	25.0
													25	10.4	41.3	32.8	–	100 ± 15	24.3
													31.25	11.7	39.9	30.9	–	100 ± 15	23.6
													62.5	17.0	35.4	24.9	–	100 ± 15	21.5
													100	22.0	32.3	20.8	–	100 ± 15	20.1
 Rip Cord																			
25-Pair			Color Code: see chart below							Third party verified to TIA/EIA-568-B.2, Category 5e Jacket sequentially market at 0.6 m intervals.									
Polyolefin Insulation • Grey FRNC/LSNH Jacket																			
Grey, Reel	**24577125**	NEC: CMP CEC: CMP	1000	305	127.0	57.6	0.51 mm 24 AWG Solid BC	0.041	1.03	Non-Bonded-Pair Unshielded U/UTP	0.429	10.90							see above
 Rip Cord																			
25-Pair			Color Code: see chart below							Third party verified to TIA/EIA-568-B.2, Category 5e Jacket sequentially market at 0.6 m intervals.									

BC = Bare Copper • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • DCR = DC resistance

Color Code

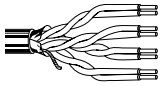
Pair No.	Tip	Ring
1	White	Blue
2	White	Orange
3	White	Green
4	White	Brown
5	White	Slate
6	Red	Blue
7	Red	Orange
8	Red	Green
9	Red	Brown
10	Red	Slate
11	Black	Blue
12	Black	Orange
13	Black	Green
14	Black	Brown
15	Black	Slate

Pair No.	Tip	Ring
16	Yellow	Blue
27	Yellow	Orange
38	Yellow	Green
49	Yellow	Brown
20	Yellow	Slate
21	Violet	Blue
22	Violet	Orange
23	Violet	Green
24	Violet	Brown
25	Violet	Slate

Category 6 F/UTP Cables

EN 50173, ISO/IEC 11801, Class E, Category 6,
Bonded-Pair Cables

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Freq. MHz	Max. Atten. dB/100m	Min. PSUM NEXT dB	Min. PSUM ACR dB/100m	Min. PSUM ELFEXT dB/100m	Input Imp. (Ω)	Min. RL dB
Cat 6 • 23 AWG • Solid 0.6 mm Bare Copper • Twisted Pair • Overall **Beldfoil®** Shield • 26 AWG Tinned Copper Drain Wire																			
Polyolefin Insulation • FRNC/LSNH Jacket (Grey and Blue)																			
	7860ENH		B-328	B-100	11.0	5.0	0.57 mm	0.046	1.17	**Bonded-Pair**	0.287	7.30	1	2.1	72.0	70.2	65.0	100 ± 15	20.0
			1640	500	54.9	24.9	23 AWG			Overall			4	3.8	63.0	59.4	53.0	100 ± 15	23.0
			3280	1000	110.2	50.0	Solid BC			Beldfoil®			10	6.0	57.0	51.3	45.0	100 ± 15	25.0
										+ Drain Wire			16	7.6	54.0	46.6	41.0	100 ± 15	25.0
										(26 AWG TC)			20	8.5	53.0	44.3	39.0	100 ± 15	25.0
										F/UTP			25	9.6	51.0	41.8	37.0	100 ± 15	24.3
													31.25	10.7	50.0	39.1	35.0	100 ± 15	23.6
													62.5	15.5	45.0	29.9	29.0	100 ± 15	21.5
													100	19.9	42.0	22.4	25.0	100 ± 15	20.1
													155	25.3	39.0	14.1	21.0	100 ± 22	18.8
													200	29.1	38.0	8.6	19.0	100 ± 22	18.0
													250	33.0	36.0	3.3	17.0	100 ± 22	17.3



4-Pair

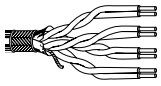
Color Code: see chart below

Burning Energy: 560 kJ/m

Category 6 SF/UTP Cables

EN 50173, ISO/IEC 11801, Class E, Category 6,
Bonded-Pair Cables

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Freq. MHz	Max. Atten. dB/100m	Min. PSUM NEXT dB	Min. PSUM ACR dB/100m	Min. PSUM ELFEXT dB/100m	Input Imp. (Ω)	Min. RL dB
Cat 6 • 23 AWG • Solid 0.6 mm Bare Copper • Twisted Pair • Overall **Beldfoil®** Shield • 26 AWG TC Drain Wire • Overall TC Braid																			
Polyolefin Insulation • FRNC/LSNH Jacket (Grey and Blue)																			
	7860ENS		B-328	B-100	12.5	5.7	0.57 mm	0.046	1.17	**Bonded-Pair**	0.295	7.50	1	2.1	72.0	70.2	65.0	100 ± 15	20.0
			1640	500	62.8	28.5	23 AWG			Overall			4	3.8	63.0	59.4	53.0	100 ± 15	23.0
			3280	1000	125.4	56.9	Solid BC			Beldfoil®			10	6.0	57.0	51.3	45.0	100 ± 15	25.0
										+ Drain Wire			16	7.6	54.0	46.6	41.0	100 ± 15	25.0
										(26 AWG TC)			20	8.5	53.0	44.3	39.0	100 ± 15	25.0
										+ TC Braid			25	9.6	51.0	41.8	37.0	100 ± 15	24.3
										SF/UTP			31.25	10.7	50.0	39.1	35.0	100 ± 15	23.6
													62.5	15.5	45.0	29.9	29.0	100 ± 15	21.5
													100	19.9	42.0	22.4	25.0	100 ± 15	20.1
													155	25.3	39.0	14.1	21.0	100 ± 22	18.8
													200	29.1	38.0	8.6	19.0	100 ± 22	18.0
													250	33.0	36.0	3.3	17.0	100 ± 22	17.3



4-Pair
Braided 7860E

Color Code: see chart below

Burning Energy: 560 kJ/m

TC = Tinned Copper • BC = Bare Copper • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • DCR = DC resistance

Color Code

Pair No.	Color
1	White/Blue Stripe, Blue
2	White/Orange Stripe, Orange
3	White/Green Stripe, Green
4	White/Brown Stripe, Brown

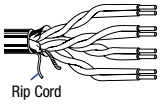
Get the Bonded-Pairs Cable Preparation Tool

See page 15.37 for details.
(Part No. 1797B)

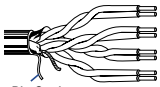
DataTwist® 5e F/UTP Cables

EN 50173, ISO/IEC 11801, Class D, Category 5e,
Non-Bonded-Pair Cables

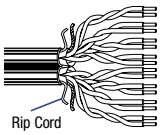
Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Freq. MHz	Max. Atten. dB/100m	Min. PSUM NEXT dB	Min. PSUM ACR dB/100m	Min. PSUM ELFEXT dB/100m	Input Imp. (Ω)	Min. RL dB
Cat 5e • 24 AWG • Solid 0.5 mm Bare Copper • Twisted Pair • Overall **Beldfoil®** Shield • 24 AWG Tinned Copper Drain Wire • Rip Cord																			
Polyolefin Insulation • PVC Jacket (Grey and Blue)																			
	1633E		B-328	B-100	9.5	4.3	0.51 mm 24 AWG Solid BC	0.041	1.05	Non-Bonded-Pair Overall Beldfoil® + Drain Wire (24 AWG TC) F/UTP	0.236	6.00	1	2.1	62.0	60.2	61.0	100 ± 15	20.0
			1000	305	28.7	13.0							4	4.0	53.0	49.3	49.0	100 ± 15	23.0
			1640	500	47.4	21.5							8	5.7	49.0	43.1	43.0	100 ± 15	24.5
			3280	1000	94.8	43.0							10	6.3	47.0	41.0	41.0	100 ± 15	25.0
													16	8.0	44.0	36.2	37.0	100 ± 15	25.0
													20	9.0	43.0	33.8	35.0	100 ± 15	25.0
													25	10.1	41.0	31.2	33.0	100 ± 15	24.3
													31.25	11.4	40.0	28.5	31.0	100 ± 15	23.6
													62.5	16.5	35.0	18.8	25.0	100 ± 15	21.5
													100	21.3	32.0	11.0	21.0	100 ± 15	20.1
			Color Code: see chart below																
Polyolefin Insulation • FRNC/LSNH Jacket (Grey and Blue)																			
	1633ENH		B-328	B-100	9.5	4.3	0.51 mm 24 AWG Solid BC	0.041	1.05	Non-Bonded-Pair Overall Beldfoil® + Drain Wire (24 AWG TC) F/UTP	0.236	6.00							see above
			1000	305	28.7	13.0													
			1640	500	47.4	21.5													
			3280	1000	94.8	43.0													
			Color Code: see chart below 500 m put-up available in Blue only.							Burning Energy: 464 kJ/m									
Polyolefin Insulation • Grey PVC Jacket																			
	1668E		B-164	B-50	18.9	8.6	0.51 mm 24 AWG Solid BC	0.041	1.05	Non-Bonded-Pair Overall Beldfoil® + Drain Wire (24 AWG TC) F/UTP	0.236 x 0.531	6.00 x 13.50							see above
			1000	305	57.3	26.0													
			1640	500	94.8	43.0													
			Color Code: see chart below																
Polyolefin Insulation • FRNC/LSNH Grey Jacket																			
	1668ENH		1640	500	94.8	43.0	0.51 mm 24 AWG Solid BC	0.041	1.05	Non-Bonded-Pair Overall Beldfoil® + Drain Wire (24 AWG TC) F/UTP	0.236 x 0.531	6.00 x 13.50							see above
			Color Code: see chart below							Burning Energy: 929 kJ/m									



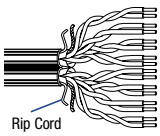
4-Pair



4-Pair



8-Pair, Twin



8-Pair, Twin

TC = Tinned Copper • BC = Bare Copper • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • DCR = DC resistance

Color Code

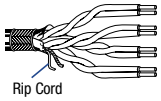
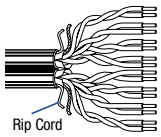
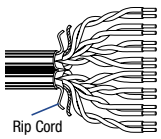
Pair No.	Color
1	White/Blue Stripe, Blue
2	White/Orange Stripe, Orange
3	White/Green Stripe, Green
4	White/Brown Stripe, Brown

Get the Bonded-Pairs Cable Preparation Tool

See page 15.37 for details.
(Part No. 1797B)

DataTwist® 5e SF/UTP Cables

EN 50173, ISO/IEC 11801, Class D, Category 5e,
Non-Bonded-Pair Cables

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Freq. MHz	Max. Atten. dB/100m	Min. PSUM NEXT dB	Min. PSUM ACR dB/100m	Min. PSUM ELFEXT dB/100m	Input Imp. (Ω)	Min. RL dB
Cat 5e • 24 AWG • Solid 0.5 mm Bare Copper • Twisted Pair • Overall **Beldfoil®** Shield • 24 AWG TC Drain Wire • Overall TC Braid • Rip Cord																			
Polyolefin Insulation • Grey PVC Jacket																			
	1633ES		B-328	B-100	10.6	4.8	0.51 mm 24 AWG Solid BC	0.041	1.05	Non-Bonded-Pair Overall Beldfoil® + Drain Wire (24 AWG TC) + Overall TC Braid SF/UTP	0.248	6.30	1	2.1	62.0	60.2	61.0	100 ± 15	20.0
			1000	305	32.2	14.6							4	4.0	53.0	49.3	49.0	100 ± 15	23.0
			1640	500	52.9	24.0							8	5.7	49.0	43.1	43.0	100 ± 15	24.5
			3280	1000	105.8	48.0							10	6.3	47.0	41.0	41.0	100 ± 15	25.0
													16	8.0	44.0	36.2	37.0	100 ± 15	25.0
													20	9.0	43.0	33.8	35.0	100 ± 15	25.0
													25	10.1	41.0	31.2	33.0	100 ± 15	24.3
													31.25	11.4	40.0	28.5	31.0	100 ± 15	23.6
													62.5	16.5	35.0	18.8	25.0	100 ± 15	21.5
													100	21.3	32.0	11.0	21.0	100 ± 15	20.1
	 Rip Cord																		
	4-Pair Braided 1633E		Color Code: see chart below																
Polyolefin Insulation • Grey FRNC/LSNH Jacket																			
	1633ENS		1640	500	52.9	24.0	0.51 mm 24 AWG Solid BC	0.041	1.05	Non-Bonded-Pair Overall Beldfoil® + Drain Wire (24 AWG TC) + Overall TC Braid SF/UTP	0.248	6.30							see above
	 Rip Cord																		
	4-Pair Braided 1633ENH		Color Code: see chart below							Burning Energy: 505 kJ/m									
Polyolefin Insulation • Grey PVC Jacket																			
	1668ES		B-164	B-50	10.6	4.8	0.51 mm 24 AWG Solid BC	0.041	1.05	Non-Bonded-Pair Overall Beldfoil® + Drain Wire (24 AWG TC) + Overall TC Braid SF/UTP	0.543	13.80							see above
			1000	305	64.4	29.2													
			1640	500	105.8	48.0													
	 Rip Cord																		
	8-Pair, Twin		Color Code: see chart below																
Polyolefin Insulation • FRNC/LSNH Jacket (Grey and Blue)																			
	1668ENS		1640	500	105.8	48.0	0.51 mm 24 AWG Solid BC	0.041	1.05	Non-Bonded-Pair Overall Beldfoil® + Drain Wire (24 AWG TC) + Overall TC Braid SF/UTP	0.543	13.80							see above
	 Rip Cord																		
	8-Pair, Twin		Color Code: see chart below							Burning Energy: 1010 kJ/m									

TC = Tinned Copper • BC = Bare Copper • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • DCR = DC resistance

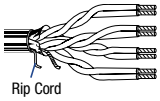
Color Code

Pair No.	Color
1	White/Blue Stripe, Blue
2	White/Orange Stripe, Orange
3	White/Green Stripe, Green
4	White/Brown Stripe, Brown

DataTwist® 5e F/UTP Patch Cables

EN 50173, ISO/IEC 11801, Category 5e,
Non-Bonded-Pair Cables

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Freq. MHz	Max. Atten. dB/100m	Min. PSUM NEXT dB	Min. PSUM ACR dB/100m	Min. PSUM ELFEXT dB/100m	Input Imp. (Ω)	Min. RL dB
Cat 5e • 26 AWG • Stranded (7x34) 0.5 mm Bare Copper • Twisted Pair • Overall **Beldfoil®** Shield • 24 AWG TC Drain Wire • Rip Cord																			
Polyolefin Insulation • PVC Jacket (Grey and Blue)																			
	1868E		1640	500	29.8	13.5	0.51 mm 26 AWG (7x34) BC	0.037	0.95	Non-Bonded-Pair Overall Beldfoil® + Drain Wire (24 AWG TC) F/UTP	0.205	5.20	1	3.2	62.0	59.1	61.0	100 ± 15	20.0
			3280	1000	59.5	27.0							4	6.0	53.0	47.3	49.0	100 ± 15	23.0
													8	8.5	49.0	40.3	43.0	100 ± 15	24.5
													10	9.5	47.0	37.8	41.0	100 ± 15	25.0
													16	12.1	44.0	32.2	37.0	100 ± 15	25.0
													20	13.6	43.0	29.2	35.0	100 ± 15	25.0
													25	15.2	41.0	26.1	33.0	100 ± 15	24.3
													31.25	17.1	40.0	22.8	31.0	100 ± 15	23.6
													62.5	24.8	35.0	10.6	25.0	100 ± 15	21.5
													100	32.0	32.0	0.3	21.0	100 ± 15	20.1
			Color Code: see chart below																
Polyolefin Insulation • Grey FRNC/LSNH Jacket																			
	1868ENH		1640	500	29.8	13.5	0.51 mm 26 AWG (7x34) BC	0.037	0.95	Non-Bonded-Pair Overall Beldfoil® + Drain Wire (24 AWG TC) F/UTP	0.205	5.20							see above
			3280	1000	59.5	27.0													
			Color Code: see chart below							Burning Energy: 355 kJ/m									



4-Pair

TC = Tinned Copper • BC = Bare Copper • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • DCR = DC resistance

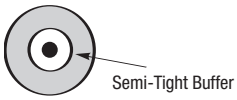
Color Code

Pair No.	Color
1	White/Blue Stripe, Blue
2	White/Orange Stripe, Orange
3	White/Green Stripe, Green
4	White/Brown Stripe, Brown

Interconnect Cables

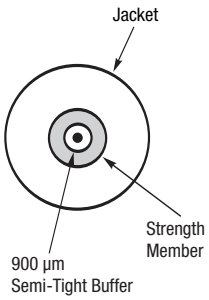
Indoor

Description	Part No.	No. of Fibers	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Fiber Size µm	Nom. Buffer / Tube OD inch	Nom. Buffer / Tube OD mm	Strength Members	Nominal OD inch	Nominal OD mm	Central Element mm	Pulling Tension N	Crush Resistance kN/m	Energy kJ/m	Bending radii cable (mm) static	Bending radii cable (mm) dynamic
GIOK • Pigtails • Semi-Tight Buffer • Excellent Strippability • **I-K**																		
Dry Construction • Halogen-Free Jacket (Blue, Green, Green with Black Rings or Yellow)																		
-30/70°C	IEC 60332-2		6888	2100	3.1	1.4	Ø 245 ± 10			–			no	3	4	19		
	GIOK101	1	62.5/125 OM1 in Blue								0.04	0.9					25	35
	GIOK201	1	50/125 OM2 in Green								0.04	0.9					25	35
	GIOK301	1	50/125 OM3 in Green with Black rings								0.04	0.9					25	35
	GIOK401	1	50/125 OM2e in Green								0.04	0.9					25	35
	GIOK901	1	9/125 OS1 in Yellow								0.04	0.9					25	35



Strippability secondary coating = 100 cm

Description	Part No.	No. of Fibers	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Fiber Size µm	Nom. Buffer / Tube OD inch	Nom. Buffer / Tube OD mm	Strength Members	Nominal OD inch	Nominal OD mm	Central Element mm	Pulling Tension N	Crush Resistance kN/m	Energy kJ/m	Bending radii cable (mm) static	Bending radii cable (mm) dynamic
GIPS • Simplex • Semi-Tight Buffer • Excellent Strippability • **I-W(ZN)H**																		
Jelly-Filled Construction • Orange FRNC/LSNH Jacket																		
-5/55°C	IEC 60332-1		6888	2100	32.9	14.9	Ø 245 ± 10			Reinforced Aramid Yarn			no	200	10	128		
	GIPSxA1										0.06	1.6					24	32
	GIPSxB1										0.07	1.8					27	36
	GIPSxC1										0.08	2.0					30	40
	GIPSxD1										0.09	2.4					36	48
	GIPSxE1										0.11	2.8					42	56
	GIPSxF1										0.12	3.0					45	60



Strippability secondary coating = 100 cm
Color Code: see chart page 16.23

Optical characteristics see page 16.21.

Interconnect Cables

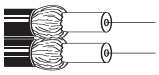
Indoor

Description	Part No.	No. of Fibers	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Fiber Size µm	Nom. Buffer/Tube OD inch	Nom. Buffer/Tube OD mm	Strength Members	Nominal OD inch	Nominal OD mm	Central Element mm	Pulling Tension N	Crush Resistance kN/m	Energy kJ/m	Bending Radii Cable (mm) static	Bending Radii Cable (mm) dynamic

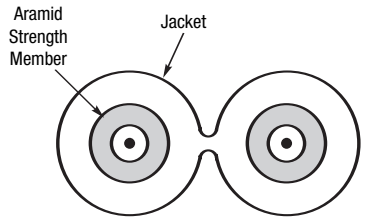
GIPS • Duplex • Figure 8 • Semi-Tight Buffer • Excellent Strippability • **I-W(ZN)H**

Jelly-Filled Construction • Orange FRNC/LSNH Jacket

-5/55°C	IEC 60332-1	6888	2100	65.3	29.6	Ø 245 ± 10			Reinforced Aramid Yarn			no	400	20	256		



GIPSxA2			0.13	3.3			33	50
GIPSxB2			0.15	3.7			37	56
GIPSxC2			0.16	4.1			41	62
GIPSxD2			0.19	4.9			49	74
GIPSxE2			0.22	5.7			57	86
GIPSxF2			0.24	6.1			61	92

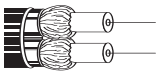


Strippability secondary coating = 100 cm
Color Code: see chart page 16.23

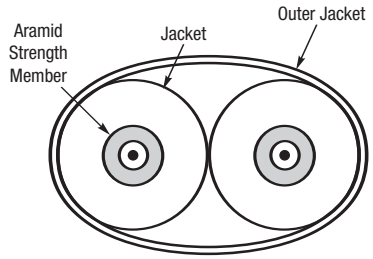
GIPK • Heavy Duplex • Semi-Tight Buffer • Excellent Strippability • **I-K(ZN)HH**

Dry Construction • Orange FRNC/LSNH Jacket

-5/55°C	IEC 60332-1	6888	2100	115.3	52.3	Ø 245 ± 10			Reinforced Aramid Yarn			no	400	20	256		



GIPKxA2			0.17	4.3			43	65
GIPKxB2			0.19	4.7			47	71
GIPKxC2			0.20	5.1			51	77
GIPKxD2			0.23	5.9			59	89
GIPKxE2			0.26	6.7			67	101
GIPKxF2			0.28	7.1			71	107



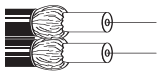
Strippability secondary coating = 100 cm
Color Code: see chart page 16.23

Optical characteristics see page 16.21.

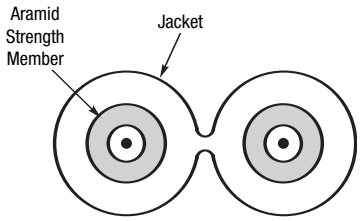
Interconnect Cables

Indoor

Description	Part No.	No. of Fibers	Standard Lengths		Standard Unit Weight		Fiber Size µm	Nom. Buffer / Tube OD		Strength Members	Nominal OD		Central Element mm	Pulling Tension N	Crush Resistance kN/m	Energy kJ/m	Bending Radii Cable (mm)	
			ft.	m	lbs.	kg		inch	mm		inch	mm					static	dynamic
GIPT • Mini-Zip • Figure 8 • Tight Buffer • **I-V(ZN)H**																		
Dry Construction • Orange FRNC/LSNH Jacket																		
-30/70°C	IEC 60332-1	6888	2100	26.4	12.0	Ø 280 ± 15			Reinforced Aramid Yarn				no	400	20	19		



GIPTxA2			0.13	3.4	34	51
GIPTxB2			0.15	3.9	39	58



Color Code: see chart page 16.23

Optical characteristics see page 16.21.

Breakout Cables

Indoor

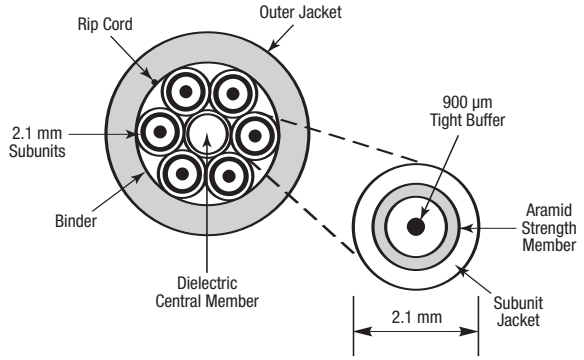
Description	Part No.	No. of Fibers	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Fiber Size µm	Nom. Buffer/Tube OD inch	Nom. Buffer/Tube OD mm	Strength Members	Nominal OD inch	Nominal OD mm	Central Element mm	Pulling Tension N	Crush Resistance kN/m	Energy kJ/m	Bending Radii Cable (mm) static	Bending Radii Cable (mm) dynamic

GIBT • Tight Buffer • With Rip Cord • **I-V(ZN)HH**

Dry Construction • Orange FRNC/LSNH Jacket

-5/55°C	IEC 60332-1		6888	2100			Ø 280 ± 15			Reinforced Aramid Yarn	0.08	2.1	Filler					

GIBTx02	2			115.7	52.5					2 + 2 BE	0.21	5.3		400	7.5	379	53	80
GIBTx04	4			143.5	65.1					CE + 4	0.24	6.2		400	7.5	507	62	93
GIBTx06	6			273.1	123.9					CE + 6	0.31	8.0		600	7.5	928	80	120
GIBTx08	8			356.5	161.7					CE + 8	0.37	9.4		800	7.5	1235	94	141
GIBTx12	12			402.8	182.7					3 + 9	0.41	10.5		1200	7.5	1424	105	158
GIBTx24	24			810.2	367.5					2 + 8 + 14	0.56	14.3		2400	7.5	2677	143	215



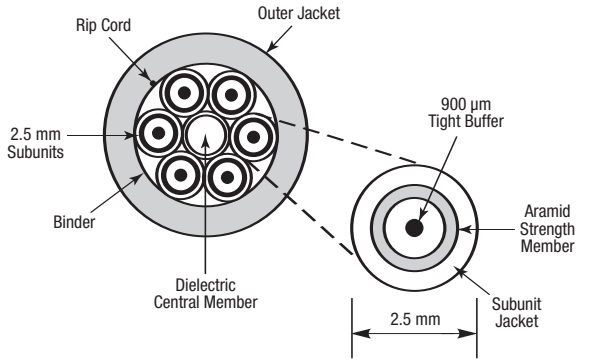
Color Code: see chart page 16.23

GIBK • Semi-Tight Buffer • With Rip Cord • Excellent Strippability • **I-K(ZN)HH**

Dry Construction • Orange FRNC/LSNH Jacket

-5/55°C	IEC 60332-1		6888	2100	115.3	52.3	Ø 245 ± 10			Reinforced Aramid Yarn	0.10	2.5	Filler					

GIBKx02	2			120.4	54.6					Flat		6.30 x 3.8		400	7.5	382	–	–
GIBKx04	4			185.2	84.0					CE + 4	0.28	7.2		400	7.5	607	72	108
GIBKx06	6			338.0	153.3					CE + 6	0.37	9.4		600	7.5	1124	94	141
GIBKx08	8			430.6	195.3					CE + 8	0.43	10.9		800	7.5	1450	109	164
GIBKx12	12			513.9	233.1					3 + 9	0.46	11.8		1200	7.5	1675	118	177



Color Code: see chart page 16.23

Optical characteristics see page 16.21.

Mini-Breakout Cables (Distribution)

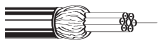
Indoor

Description	Part No.	No. of Fibers	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Fiber Size µm	Nom. Buffer / Tube OD inch	Nom. Buffer / Tube OD mm	Strength Members	Nominal OD inch	Nominal OD mm	Central Element mm	Pulling Tension N	Crush Resistance kN/m	Energy kJ/m	Bending Radii Cable (mm) static	Bending Radii Cable (mm) dynamic

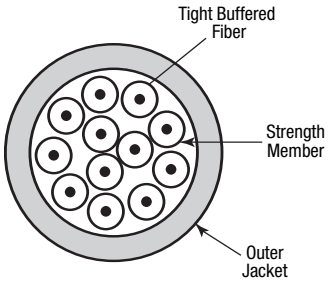
GIMT • Tight Buffer • **I-V(ZN)H**

Dry Construction • Orange FRNC/LSNH Jacket

-5/55°C	IEC 60332-2		6888	2100			Ø 280 ± 15			Reinforced Aramid Yarn			no	4				



GIMTx02	2			74.1	33.5				0.16	4.0		400		227		40		60
GIMTx04	4			88.0	39.9				0.19	4.8		400		294		48		72
GIMTx06	6			106.5	48.3				0.21	5.3		450		339		53		80
GIMTx08	8			115.7	52.5				0.21	5.3		450		351		53		80
GIMTx12	12			185.2	84.0				0.28	7.0		500		619		70		105
GIMTx16	16			226.9	102.9				0.31	8.0		500		886		80		120
GIMTx24	24			263.9	119.7				0.35	9.0		600		1044		90		135

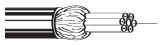


Available in multimode only.
Color Code: see chart page 16.23

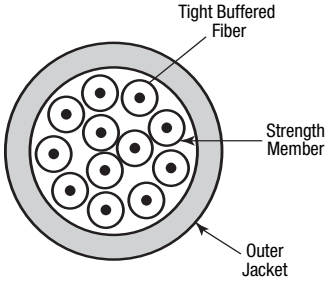
GIMK • Semi-Tight Buffer • **I-K(ZN)H**

Dry Construction • Orange FRNC/LSNH Jacket

-5/55°C	IEC 60332-2		6888	2100			Ø 245 ± 10			Reinforced Aramid Yarn			no	4				



GIMKx02	2			88.0	39.9				0.16	4.0		400		235		40		60
GIMKx04	4			92.6	42.0				0.19	4.8		400		310		48		72
GIMKx06	6			106.5	48.3				0.21	5.3		450		339		53		80
GIMKx08	8			120.4	54.6				0.21	5.3		450		381		53		80



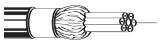
Available in multimode only.
Color Code: see chart page 16.23

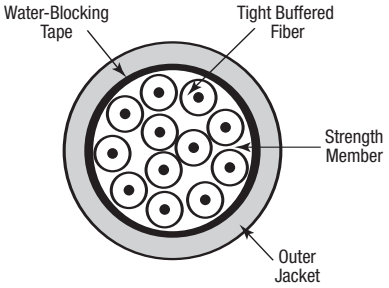
Optical characteristics see page 16.21.

Mini-Breakout Cables (Distribution)

Universal – Indoor/Outdoor, Standard Rodent Protection

Description	Part No.	No. of Fibers	Standard Lengths		Standard Unit Weight		Fiber Size µm	Nom. Buffer/Tube OD		Strength Members	Nominal OD		Central Element mm	Pulling Tension N	Crush Resistance kN/m	Energy kJ/m	Bending Radii Cable (mm)	
			ft.	m	lbs.	kg		inch	mm		inch	mm					static	dynamic
GUMT • Tight Buffer • **A/I-VQ(ZN)H**																		
Dry Construction • Orange FRNC/LSNH Jacket																		
-30/70°C IEC 60332-2		6888		2100			Ø 280 ± 15			Longitudinal watertightness Swellable Glass Yarn (6)			no		4			
GUMTx04	4		120.4	54.6							0.21	5.4	400		296		54	81
GUMTx06	6		138.0	63.0							0.23	5.9	450		347		59	89
GUMTx08	8		148.1	67.2							0.23	5.9	450		371		59	89
GUMTx12	12		208.3	94.5							0.30	7.6	500		622		76	114
GUMTx16	16		245.4	111.3							0.34	8.6	500		845		86	129
GUMTx24	24		300.9	136.5							0.38	9.6	600		1082		96	144





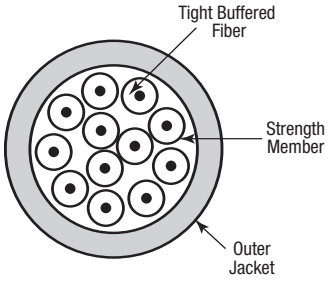
Color Code: see chart page 16.23

Optical characteristics see page 16.21.

Mini-Breakout Cables (Distribution)

Universal – Indoor/Outdoor, Improved Rodent Protection

Description	Part No.	No. of Fibers	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Fiber Size µm	Nom. Buffer/Tube OD inch	Nom. Buffer/Tube OD mm	Strength Members	Nominal OD inch	Nominal OD mm	Central Element mm	Pulling Tension N	Crush Resistance kN/m	Energy kJ/m	Bending Radii Cable (mm) static	Bending Radii Cable (mm) dynamic
GUXT • Tight Buffer • **A/I-VQ(ZN)BH**																		
Dry Construction • Orange FRNC/LSNH Jacket																		
-30/70°C IEC 60332-2			6888	2100			Ø 280 ± 15			Longitudinal watertightness Swellable Glass Yarn			no		4			
	GUXTx04	4			203.7	92.4					0.28	7.0		2000		375	70	105
	GUXTx06	6			236.1	107.1					0.29	7.3		2000		445	73	110
	GUXTx08	8			259.3	117.6					0.29	7.3		2000		472	73	110
	GUXTx12	12			351.9	159.6					0.37	9.4		3000		801	94	141
	GUXTx24	24			560.2	254.1					0.42	10.6		4000		1243	106	159



Color Code: see chart page 16.23

Optical characteristics see page 16.21.

Central Loose Tube Cables

Universal – Indoor/Outdoor, Standard Rodent Protection

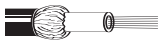
Description	Part No.	No. of Fibers	Standard Lengths		Standard Unit Weight		Fiber Size µm	Nom. Buffer/Tube OD		Strength Members	Nominal OD		Central Element mm	Pulling Tension N	Crush Resistance kN/m	Energy kJ/m	Bending Radii Cable (mm)	
			ft.	m	lbs.	kg		inch	mm		inch	mm					static	dynamic
GUSA • Loose Tube (Jelly-Filled, Non-Dripping and Silicone-Free) • Longitudinal Watertightness • **A/I-DQ(ZN)H**																		
Dry Construction • Orange FRNC/LSNH Jacket																		
-30/70°C	IEC 60332-3C		13448	4100	334.4	151.7	Ø 250 ± 15	0.13	3.2	Longitudinal watertightness Swellable Glass Yarn (6)	0.23	5.8	no	700	10	550	58	87

GUSAx02 2
GUSAx04 4
GUSAx06 6
GUSAx08 8
GUSAx12 12

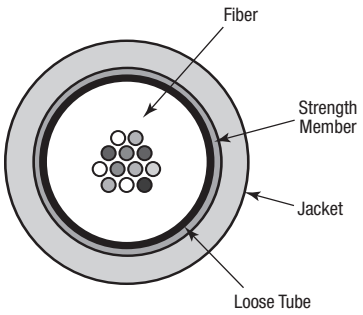
Color Code: see chart page 16.23

GUSB • Loose Tube (Jelly-Filled, Non-Dripping and Silicone-Free) • Longitudinal Watertightness • **A/I-DQ(ZN)H**

Dry Construction • Orange FRNC/LSNH Jacket																		
-30/70°C	IEC 60332-3C		6888	2100	333.3	151.2	Ø 250 ± 15	0.17	4.2	Longitudinal watertightness Swellable Glass Yarn (6)	0.34	8.7	no	1400	15	1370	87	131



GUSBx02 2
GUSBx04 4
GUSBx06 6
GUSBx08 8
GUSBx12 12
GUSBx16 16
GUSBx24 24



Color Code: see chart page 16.23

Optical characteristics see page 16.21.

Central Loose Tube Cables

Universal – Indoor/Outdoor, Improved Rodent Protection

Description	Part No.	No. of Fibers	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Fiber Size µm	Nom. Buffer/Tube OD inch	Nom. Buffer/Tube OD mm	Strength Members	Nominal OD inch	Nominal OD mm	Central Element mm	Pulling Tension N	Crush Resistance kN/m	Energy kJ/m	Bending Radii Cable (mm) static	Bending Radii Cable (mm) dynamic
GURA • Loose Tube (Jelly-Filled, Non-Dripping and Silicone-Free) • Longitudinal Watertightness • **A/I-DQ(ZN)BH**																		
Dry Construction • Orange FRNC/LSNH Jacket																		
-30/70°C	IEC 60332-3C	13448	4100	497.1	225.5	Ø 250 ± 15	0.13	3.2	Longitudinal watertightness Swellable Glass Yarn (14)	0.28	7.1	no	1400	10	755	71	107

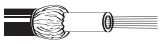
GURAx02	2
GURAx04	4
GURAx06	6
GURAx08	8
GURAx12	12

Color Code: see chart page 16.23

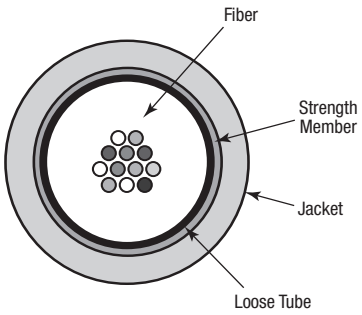
GURB • Loose Tube (Jelly-Filled, Non-Dripping and Silicone-Free) • Longitudinal Watertightness • **A/I-DQ(ZN)BH**

Dry Construction • Orange FRNC/LSNH Jacket

-30/70°C	IEC 60332-3C	6888	2100	481.5	218.4	Ø 250 ± 15	0.17	4.2	Longitudinal watertightness Swellable Glass Yarn (14)	0.40	10.2	no	4000	15	1680	102	153



GURBx04	4
GURBx06	6
GURBx08	8
GURBx12	12
GURBx16	16
GURBx24	24



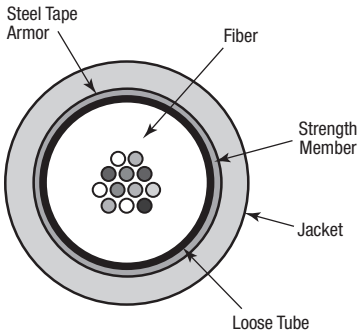
Color Code: see chart page 16.23

Optical characteristics see page 16.21.

Central Loose Tube Cables

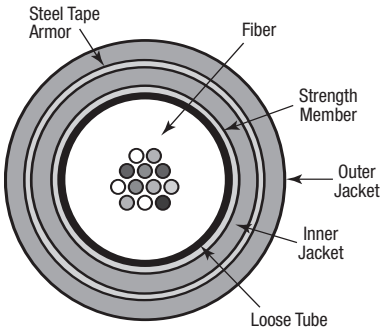
Universal – Indoor/Outdoor, Corrugated Steel Tape Armor (CST), Full Rodent Protection

Description	Part No.	No. of Fibers	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Fiber Size µm	Nom. Buffer/Tube OD inch	Nom. Buffer/Tube OD mm	Strength Members	Nominal OD inch	Nominal OD mm	Central Element mm	Pulling Tension N	Crush Resistance kN/m	Energy kJ/m	Bending radii cable (mm) static	Bending radii cable (mm) dynamic
GUCB • Loose Tube (Jelly-Filled, Non-Dripping and Silicone-Free) • Longitudinal Watertightness • CST • **A/I-DQ(ZN)(SR)H**																		
Dry Construction • Single Black FRNC/LSNH Jacket																		
-30/70°C	EN 50266-2-2 EN 50267-2-2 EN 50268-2, EN 60331-25		6888	2100	685.2	310.8	Ø 250 ± 15	0.16	4.0	Longitudinal watertightness Swellable Glass Yarn	0.42	10.6	no	2000	40	–	106	212
	GUCBx02	2																
	GUCBx04	4																
	GUCBx06	6																
	GUCBx08	8																
	GUCBx12	12																
	GUCBx16	16																
	GUCBx24	24																



Color Code: see chart page 16.23

Description	Part No.	No. of Fibers	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Fiber Size µm	Nom. Buffer/Tube OD inch	Nom. Buffer/Tube OD mm	Strength Members	Nominal OD inch	Nominal OD mm	Central Element mm	Pulling Tension N	Crush Resistance kN/m	Energy kJ/m	Bending radii cable (mm) static	Bending radii cable (mm) dynamic
GUD • Loose Tube (Jelly-Filled, Non-Dripping and Silicone-Free) • Longitudinal Watertightness • CST • **A/I-DQ(ZN)H(SR)H**																		
Dry Construction • Double Black FRNC/LSNH Jacket																		
-30/70°C	EN 50266-2-2 EN 50267-2-2 EN 50268-2		6888	2100			Ø 250 ± 15			Longitudinal watertightness Swellable Glass Yarn								
	GUDAx02	2			833.3	378.0		0.11	2.8		0.43	11.0	no	2000	40	–	110	220
	GUDAx04	4																
	GUDAx06	6																
	GUDAx08	8																
	GUDAx10	10																
	GUDAx12	12																
	GUDBx16	16			1078.7	489.3		0.16	4.0		0.51	13.0	no	2000	40	–	130	260
	GUDBx24	24																



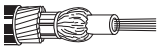
Color Code: see chart page 16.23

Optical characteristics see page 16.21.

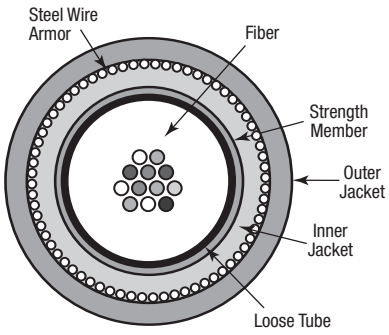
Central Loose Tube Cables

Universal – Indoor/Outdoor, Steel Wire Armor (SWA), Full Rodent Protection

Description	Part No.	No. of Fibers	Standard Lengths		Standard Unit Weight		Fiber Size µm	Nom. Buffer/Tube OD		Strength Members	Nominal OD		Central Element mm	Pulling Tension N	Crush Resistance kN/m	Energy kJ/m	Bending Radii Cable (mm)	
			ft.	m	lbs.	kg		inch	mm		inch	mm					static	dynamic
GUWB • Loose Tube (Jelly-Filled, Non-Dripping and Silicone-Free) • Longitudinal Watertightness • SWA • **A/I-DQ(ZN)HBH (R0.63vzk)**																		
Dry Construction • Double Black FRNC/LSNH Jacket																		
-30/70°C		6888	2100	1263.8	561.0	Ø 250 ± 15	0.16	4.0	Longitudinal watertightness Swellable Glass Yarn	0.51	13.0	no	6500	50	–	130	260



GUWBx02 2
GUWBx04 4
GUWBx06 6
GUWBx08 8
GUWBx12 12
GUWBx16 16
GUWBx24 24

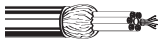


Color Code: see chart page 16.23

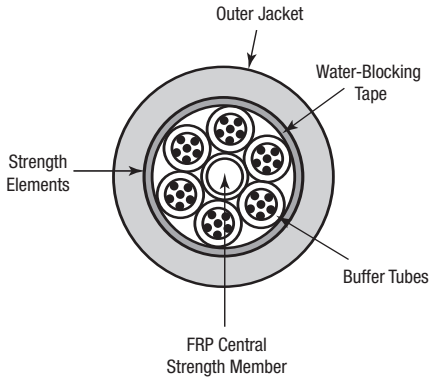
Optical characteristics see page 16.21.

Multi Loose Tube Cables

Universal – Indoor/Outdoor

Description	Part No.	No. of Fibers	Standard Lengths		Standard Unit Weight		Fiber Size µm	Nom. Buffer/Tube OD		Strength Members	Nominal OD		Central Element mm	Pulling Tension N	Crush Resistance kN/m	Energy kJ/m	Bending Radii Cable (mm)	
			ft.	m	lbs.	kg		inch	mm		inch	mm					static	dyna-mic
GCA • Loose Tubes*/PE Blind Elements are S-Z Stranded Around the Central Element • Water-Blocked • **A/I-DQ(ZN)H**																		
Dry Construction • Black LSZH Jacket																		
-30/70°C EN 50266-2-2 EN 50267-2-2 EN 50628-2																		
																		
GCAGx04	4 (1x4)	6888	2100	439.8	199.5	Ø 250 ± 15	0.07	1.9	Water-blocking Aramid Yarn	0.41	10.3	2.0	3000	20	–	155	206
GCAGx06	6 (1x6)	13448	4100	858.7	389.5												
GCAGx08	8 (2x4)																
GCAGx12	12 (2x6)																
GCAGx18	18 (3x6)																
GCAGx24	24 (4x6)																
GCAGx30	30 (5x6)																
GCAGx36	36 (6x6)																
GCADx24	24 (2x12)	6888	2100	588.0	266.7	Ø 250 ± 15	0.10	2.5	Water-blocking Aramid Yarn	0.48	12.2	2.7	3500	20	–	183	244
GCADx36	36 (3x12)	13448	4100	1147.9	520.7												
GCADx48	48 (4x12)																
GCADx60	60 (5x12)																
GCADx72	72 (6x12)																
GCAEx84	84 (7x12)	6888	2100	736.1	333.9	Ø 250 ± 15	0.10	2.5	Water-blocking Aramid Yarn	0.54	13.8	3.0/4.3	4000	20	–	207	276
GCAEx96	96 (8x12)	13448	4100	1437.2	651.9												
GCAFx08	108 (9x12)	6888	2100	1074.1	487.2	Ø 250 ± 15	0.10	2.5	Water-blocking Aramid Yarn	0.67	17.0	3.0/7.5	4000	20	–	255	340
GCAFx20	120 (10x12)	13448	4100	2097.0	951.2												
GCAFx32	132 (11x12)																
GCAFx44	144 (12x12)																
GCAMx16	216 (18x12)	6888	2100	1250.0	567.0	Ø 250 ± 15	0.10	2.5	Water-blocking Aramid Yarn	0.72	18.2	2.7	4000	20	–	273	364
		13448	4100	2440.5	1107.0												
GCAIx92	192 (8x24)	6888	2100	1273.2	577.5	Ø 250 ± 15	0.14	3.5	Water-blocking Aramid Yarn	0.71	18.0	3.0/6.0	4000	20	–	270	360
		13448	4100	2485.7	1127.5												
GCAJx88	288 (12x24)	6888	2100	1921.3	871.5	Ø 250 ± 15	0.14	3.5	Water-blocking Aramid Yarn	0.88	22.4	3.0/10.5	4000	20	–	336	448
GCALx32	432 (18x24)	6888	2100	1944.5	882.0	Ø 250 ± 15	0.14	3.5	Water-blocking Aramid Yarn	0.91	23.2	2.7/3.7	4000	20	–	348	464

Color Code: see chart page 16.23
Loose tubes: 1. Red, 2. Green, rest of tubes White
Blind elements: Clear



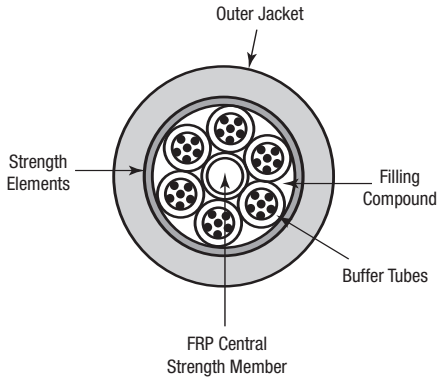
Optical characteristics see page 16.21.
* jelly-filled, non-dripping and silicone-free

Multi Loose Tube Cables

Universal – Indoor/Outdoor

Description	Part No.	No. of Fibers	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Fiber Size µm	Nom. Buffer/Tube OD inch	Nom. Buffer/Tube OD mm	Strength Members	Nominal OD inch	Nominal OD mm	Central Element mm	Pulling Tension N	Crush Resistance kN/m	Energy kJ/m	Bending Radii Cable (mm) static	Bending Radii Cable (mm) dynamic
GEA • Loose Tubes*/PE Blind Elements are S-Z stranded Around the Central Element • Water-Blocked • **A/I-DF(ZN)H**																		
Filled Construction • Black LSZH Jacket																		
-30/70°C EN 50266-2-2 EN 50267-2-2 EN 50628-2																		
																		
GEAGx04 **GEA**Gx06 **GEA**Gx08 **GEA**Gx12 **GEA**Gx18 **GEA**Gx24 **GEA**Gx30 **GEA**Gx36	4 (1x4) 6 (1x6) 8 (2x4) 12 (2x6) 18 (3x6) 24 (4x6) 30 (5x6) 36 (6x6)	6888 13448	2100 4100	449.1 876.8	203.7 397.7	Ø 250 ± 15	0.07	1.9	Water-blocking Aramid Yarn	0.39	10.0	2.0	3000	20	–	150	200
GEADx24 **GEA**Dx36 **GEA**Dx48 **GEA**Dx60 **GEA**Dx72	24 (2x12) 36 (3x12) 48 (4x12) 60 (5x12) 72 (6x12)	6888 13448	2100 4100	620.4 1211.2	281.4 549.4	Ø 250 ± 15	0.10	2.5	Water-blocking Aramid Yarn	0.47	12.0	2.7	3500	20	–	180	240
GEAEx84 **GEA**Ex96	84 (7x12) 96 (8x12)	6888 13448	2100 4100	787.0 1536.6	357.0 697.0	Ø 250 ± 15	0.10	2.5	Water-blocking Aramid Yarn	0.54	13.6	3.0/4.3	4000	20	–	204	272
GEAFx08 **GEA**Fx20 **GEA**Fx32 **GEA**Fx44	108 (9x12) 120 (10x12) 132 (11x12) 144 (12x12)	6888 13448	2100 4100	1157.4 2259.7	525.0 1025.0	Ø 250 ± 15	0.10	2.5	Water-blocking Aramid Yarn	0.66	16.8	3.0/7.5	4000	20	–	252	336
GEAMx16	216 (18x12)	6888 13448	2100 4100	1342.6 2621.3	609.0 1189.0	Ø 250 ± 15	0.10	2.5	Water-blocking Aramid Yarn	0.69	17.5	2.7	4000	20	–	263	350
GEAIx92	192 (8x24)	6888 13448	2100 4100	1250.0 2440.5	567.0 1107.0	Ø 250 ± 15	0.14	3.5	Water-blocking Aramid Yarn	0.69	17.6	3.0/6.0	4000	20	–	264	352
GEAJx88	288 (12x24)	6888	2100	2013.9	913.5	Ø 250 ± 15	0.14	3.5	Water-blocking Aramid Yarn	0.87	22.1	3.0/10.5	4000	20	–	332	442
GEALx32	432 (18x24)	6888	2100	2129.6	966.0	Ø 250 ± 15	0.14	3.5	Water-blocking Aramid Yarn	0.89	22.5	2.7/3.7	4000	20	–	338	450

Color Code: see chart page 16.23
Loose tubes: 1. Red, 2. Green, rest of tubes White
Blind elements: Clear



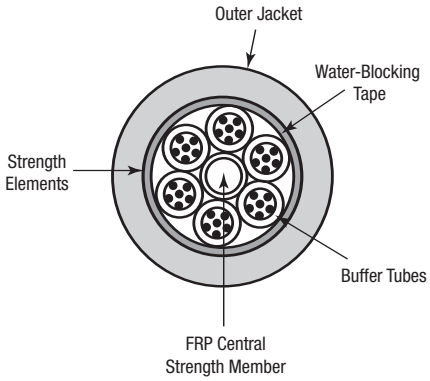
Optical characteristics see page 16.21.
* jelly-filled, non-dripping and silicone-free

Multi Loose Tube Cables

Universal – Indoor/Outdoor, Improved Rodent Protection

Description	Part No.	No. of Fibers	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Fiber Size µm	Nom. Buffer/Tube OD inch	Nom. Buffer/Tube OD mm	Strength Members	Nominal OD inch	Nominal OD mm	Central Element mm	Pulling Tension N	Crush Resistance kN/m	Energy kJ/m	Bending Radii Cable (mm) static	Bending Radii Cable (mm) dynamic
GCR • Loose Tubes*/PE Blind Elements are S-Z Stranded Around the Central Element • Water-Blocked • **A/I-DQ(ZN)BH**																		
Dry Construction • Black LSZH Jacket																		
-30/70°C EN 50266-2-2 EN 50267-2-2 EN 50268-2																		
GCRGx04 **GCR**Gx06 **GCR**Gx08 **GCR**Gx12 **GCR**Gx18 **GCR**Gx24 **GCR**Gx30 **GCR**Gx36	4 (1x4) 6 (1x6) 8 (2x4) 12 (2x6) 18 (3x6) 24 (4x6) 30 (5x6) 36 (6x6)	6888 13448	2100 4100	597.2 1166.0	270.9 528.9	Ø 250 ± 15	0.07	1.9	Water-blocking Glass Yarn	0.46	11.8	2.0	3000	20	–	177	236
GCRDx24 **GCR**Dx36 **GCR**Dx48 **GCR**Dx60 **GCR**Dx72	24 (2x12) 36 (3x12) 48 (4x12) 60 (5x12) 72 (6x12)	6888 13448	2100 4100	750.0 1464.3	340.2 664.2	Ø 250 ± 15	0.10	2.5	Water-blocking Glass Yarn	0.54	13.7	2.7	3500	20	–	206	274
GCREx84 **GCR**Ex96	84 (7x12) 96 (8x12)	6888 13448	2100 4100	930.6 1816.8	422.1 824.1	Ø 250 ± 15	0.10	2.5	Water-blocking Glass Yarn	0.60	15.3	3.0/4.3	4000	20	–	230	306
GCRFx08 **GCR**Fx20 **GCR**Fx32 **GCR**Fx44	108 (9x12) 120 (10x12) 132 (11x12) 144 (12x12)	6888 13448	2100 4100	1277.8 2494.7	579.6 1131.6	Ø 250 ± 15	0.10	2.5	Water-blocking Glass Yarn	0.73	18.5	3.0/7.5	4000	20	–	278	370
GCRMx16	216 (18x12)	6888 13448	2100 4100	1481.5 2892.4	672.0 1312.0	Ø 250 ± 15	0.10	2.5	Water-blocking Glass Yarn	0.78	19.7	2.7	4000	20	–	296	394
GCRIx92	192 (8x24)	6888 13448	2100 4100	1481.5 2892.4	672.0 1312.0	Ø 250 ± 15	0.14	3.5	Water-blocking Glass Yarn	0.77	19.5	3.0/6.0	4000	20	–	293	390
GCRJx88	288 (12x24)	6888	2100	2129.6	966.0	Ø 250 ± 15	0.14	3.5	Water-blocking Glass Yarn	0.94	23.9	3.0/10.5	4000	20	–	359	478
GCRLx32	432 (18x24)	6888	2100	2129.6	966.0	Ø 250 ± 15	0.14	3.5	Water-blocking Glass Yarn	0.97	24.7	2.7/3.7	4000	20	–	371	494

Color Code: see chart page 16.23
Loose tubes: 1. Red, 2. Green, rest of tubes White
Blind elements: Clear



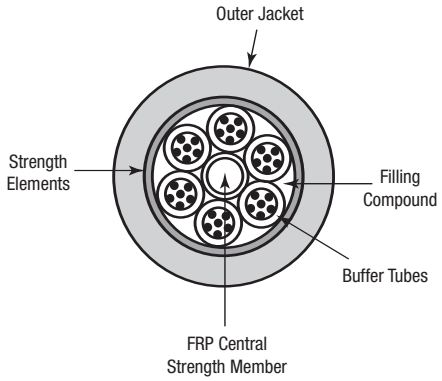
Optical characteristics see page 16.21.
* jelly-filled, non-dripping and silicone-free

Multi Loose Tube Cables

Universal – Indoor/Outdoor, Improved Rodent Protection

Description	Part No.	No. of Fibers	Standard Lengths		Standard Unit Weight		Fiber Size µm	Nom. Buffer/Tube OD		Strength Members	Nominal OD		Central Element mm	Pulling Tension N	Crush Resistance kN/m	Energy kJ/m	Bending Radii Cable (mm)	
			ft.	m	lbs.	kg		inch	mm		inch	mm					static	dynamic
GER • Loose Tubes*/PE Blind Elements are S-Z Stranded Around the Central Element • Water-Blocked • **A/I-DF(ZN)BH**																		
Filled Construction • Black LSZH Jacket																		
-30/70°C EN 50266-2-2 EN 50267-2-2 EN 50268-2																		
																		
GERGx04 **GER**Gx06 **GER**Gx08 **GER**Gx12 **GER**Gx18 **GER**Gx24 **GER**Gx30 **GER**Gx36	4 (1x4) 6 (1x6) 8 (2x4) 12 (2x6) 18 (3x6) 24 (4x6) 30 (5x6) 36 (6x6)	6888 13448	2100 4100	601.9 1175.1	273.0 533.0	Ø 250 ± 15	0.07	1.9	Water-blocking Glass Yarn	0.45	11.5	2.0	3000	20	–	173	230
GERDx24 **GER**Dx36 **GER**Dx48 **GER**Dx60 **GER**Dx72	24 (2x12) 36 (3x12) 48 (4x12) 60 (5x12) 72 (6x12)	6888 13448	2100 4100	777.8 1518.5	352.8 688.8	Ø 250 ± 15	0.10	2.5	Water-blocking Glass Yarn	0.53	13.4	2.7	3500	20	–	201	268
GEREx84 **GER**Ex96	84 (7x12) 96 (8x12)	6888 13448	2100 4100	967.6 1889.1	438.9 856.9	Ø 250 ± 15	0.10	2.5	Water-blocking Glass Yarn	0.59	15.0	3.0/4.3	4000	20	–	225	300
GERFx08 **GER**Fx20 **GER**Fx32 **GER**Fx44	108 (9x12) 120 (10x12) 132 (11x12) 144 (12x12)	6888 13448	2100 4100	1333.3 2603.2	604.8 1180.8	Ø 250 ± 15	0.10	2.5	Water-blocking Glass Yarn	0.72	18.2	3.0/7.5	4000	20	–	273	364
GERMx16	216 (18x12)	6888 13448	2100 4100	1527.8 2982.8	693.0 1353.0	Ø 250 ± 15	0.10	2.5	Water-blocking Glass Yarn	0.75	19.0	2.7	4000	20	–	285	380
GERIx92	192 (8x24)	6888 13448	2100 4100	1435.2 2802.0	651.0 1271.0	Ø 250 ± 15	0.14	3.5	Water-blocking Glass Yarn	0.75	19.0	3.0/6.0	4000	20	–	285	380
GERJx88	288 (12x24)	6888	2100	2222.2	1008.0	Ø 250 ± 15	0.14	3.5	Water-blocking Glass Yarn	0.93	23.5	3.0/10.5	4000	20	–	353	470
GERLx32	432 (18x24)	6888	2100	2314.8	1050.0	Ø 250 ± 15	0.14	3.5	Water-blocking Glass Yarn	0.94	24.0	2.7/3.7	4000	20	–	360	480

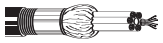
Color Code: see chart page 16.23
Loose tubes: 1. Red, 2. Green, rest of tubes White
Blind elements: Clear



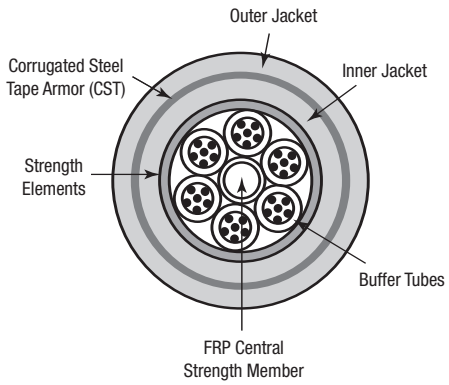
Optical characteristics see page 16.21.
* jelly-filled, non-dripping and silicone-free

Multi Loose Tube Cables

Universal – Indoor/Outdoor, Full Rodent Protection, Corrugated Steel Tape Armor (CST)

Description	Part No.	No. of Fibers	Standard Lengths		Standard Unit Weight		Fiber Size µm	Nom. Buffer/Tube OD		Strength Members	Nominal OD		Central Element mm	Pulling Tension N	Crush Resistance kN/m	Energy kJ/m	Bending Radii Cable (mm)	
			ft.	m	lbs.	kg		inch	mm		inch	mm					static	dyna-mic
GCD • Loose Tubes*/PE Blind Elements are S-Z Stranded Around the Central Element • Water-Blocked • CST • **A/I-DQ(ZN)H(SR)H**																		
Dry Construction • Double Black LSZH Jacket																		
-30/70°C EN 50266-2-2 EN 50267-2-2 EN 50268-2																		
																		
GCDGx04 **GCD**Gx06 **GCD**Gx08 **GCD**Gx12 **GCD**Gx18 **GCD**Gx24 **GCD**Gx30 **GCD**Gx36	4 (1x4) 6 (1x6) 8 (2x4) 12 (2x6) 18 (3x6) 24 (4x6) 30 (5x6) 36 (6x6)	6888 13448	2100 4100	1041.7 2033.7	472.5 922.5	Ø 250 ± 15	0.07	1.9	Water-blocking Aramid Yarn	0.52	13.2	2.0	3000	50	–	198	264
GCDDx24 **GCD**Dx36 **GCD**Dx48 **GCD**Dx60 **GCD**Dx72	24 (2x12) 36 (3x12) 48 (4x12) 60 (5x12) 72 (6x12)	6888	2100	1296.3	588.0	Ø 250 ± 15	0.10	2.5	Water-blocking Aramid Yarn	0.60	15.2	2.7	3500	50	–	228	304
GCDEx84 **GCD**Ex96	84 (7x12) 96 (8x12)	6888	2100	1574.1	714.0	Ø 250 ± 15	0.10	2.5	Water-blocking Aramid Yarn	0.69	17.4	3.0/4.3	4000	50	–	261	348
GCDFx08 **GCD**Fx20 **GCD**Fx32 **GCD**Fx44	108 (9x12) 120 (10x12) 132 (11x12) 144 (12x12)	6888	2100	2055.6	932.4	Ø 250 ± 15	0.10	2.5	Water-blocking Aramid Yarn	0.81	20.5	3.0/7.5	4000	50	–	308	410
GCDMx16	216 (18x12)	6888	2100	2268.5	1029.0	Ø 250 ± 15	0.10	2.5	Water-blocking Aramid Yarn	0.85	21.5	2.7	4000	50	–	323	430
GCDIx92	192 (8x24)	6888	2100	–	–	Ø 250 ± 15	0.14	3.5	Water-blocking Aramid Yarn	0.85	21.5	3.0/6.0	4000	50	–	323	430
GCDJx88	288 (12x24)	6888	2100	–	–	Ø 250 ± 15	0.14	3.5	Water-blocking Aramid Yarn	1.02	26.0	3.0/10.5	4000	50	–	390	520
GCDLx32	432 (18x24)	6888	2100	–	–	Ø 250 ± 15	0.14	3.5	Water-blocking Aramid Yarn	1.04	26.5	2.7/3.7	4000	50	–	398	530

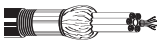
Color Code: see chart page 16.23
Loose tubes: 1. Red, 2. Green, rest of tubes White
Blind elements: Clear



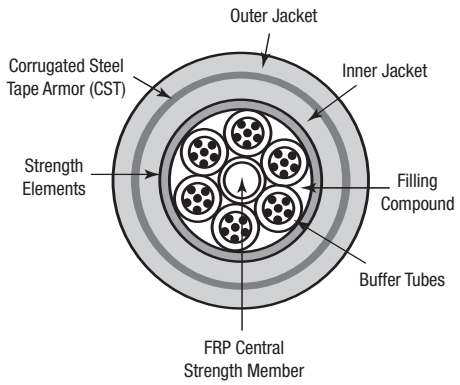
Optical characteristics see page 16.21.
* jelly-filled, non-dripping and silicone-free

Multi Loose Tube Cables

Universal – Indoor/Outdoor, Full Rodent Protection, Corrugated Steel Tape Armor (CST)

Description	Part No.	No. of Fibers	Standard Lengths		Standard Unit Weight		Fiber Size µm	Nom. Buffer/Tube OD		Strength Members	Nominal OD		Central Element mm	Pulling Tension N	Crush Resistance kN/m	Energy kJ/m	Bending Radii Cable (mm)	
			ft.	m	lbs.	kg		inch	mm		inch	mm					static	dynamic
GED • Loose Tubes*/PE Blind Elements are S-Z Stranded Around the Central Element • Water-Blocked • CST • **A/I-DF(ZN)H(SR)H**																		
Filled Construction • Double Black LSZH Jacket																		
-30/70°C EN 50266-2-2 EN 50267-2-2 EN 50268-2																		
																		
GEDGx04 **GED**Gx06 **GED**Gx08 **GED**Gx12 **GED**Gx18 **GED**Gx24 **GED**Gx30 **GED**Gx36	4 (1x4) 6 (1x6) 8 (2x4) 12 (2x6) 18 (3x6) 24 (4x6) 30 (5x6) 36 (6x6)	6888 13448	2100 4100	1050.9 2051.8	476.7 930.7	Ø 250 ± 15	0.07	1.9	Water-blocking Aramid Yarn	0.51	13.0	2.0	3000	50	–	195	260
GEDDx24 **GED**Dx36 **GED**Dx48 **GED**Dx60 **GED**Dx72	24 (2x12) 36 (3x12) 48 (4x12) 60 (5x12) 72 (6x12)	6888	2100	1324.1	600.6	Ø 250 ± 15	0.10	2.5	Water-blocking Aramid Yarn	0.59	15.0	2.7	3500	50	–	225	300
GEDEx84 **GED**Ex96	84 (7x12) 96 (8x12)	6888	2100	1606.5	728.7	Ø 250 ± 15	0.10	2.5	Water-blocking Aramid Yarn	0.67	17.1	3.0/4.3	4000	50	–	257	342
GEDFx08 **GED**Fx20 **GED**Fx32 **GED**Fx44	108 (9x12) 120 (10x12) 132 (11x12) 144 (12x12)	6888	2100	2101.9	953.4	Ø 250 ± 15	0.10	2.5	Water-blocking Aramid Yarn	0.81	20.5	3.0/7.5	4000	50	–	308	410
GEDMx16	216 (18x12)	6888	2100	2361.1	1071.0	Ø 250 ± 15	0.10	2.5	Water-blocking Aramid Yarn	0.83	21.0	2.7	4000	50	–	315	420
GEDIx92	192 (8x24)	6888	2100	–	–	Ø 250 ± 15	0.14	3.5	Water-blocking Aramid Yarn	0.83	21.0	3.0/6.0	4000	50	–	315	420
GEDJx88	288 (12x24)	6888	2100	–	–	Ø 250 ± 15	0.14	3.5	Water-blocking Aramid Yarn	1.00	25.5	3.0/10.5	4000	50	–	383	510
GEDLx32	432 (18x24)	6888	2100	–	–	Ø 250 ± 15	0.14	3.5	Water-blocking Aramid Yarn	1.02	26.0	2.7/3.7	4000	50	–	390	520

Color Code: see chart page 16.23
Loose tubes: 1. Red, 2. Green, rest of tubes White
Blind elements: Clear



Optical characteristics see page 16.21.
* jelly-filled, non-dripping and silicone-free

Multi Loose Tube Cables

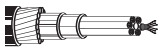
Universal – Indoor/Outdoor, Full Rodent Protection, Galvanised Steel Wire Armor (SWA)

Description	Part No.	No. of Fibers	Standard Lengths		Standard Unit Weight		Fiber Size µm	Nom. Buffer/Tube OD		Strength Members	Nominal OD		Central Element mm	Pulling Tension N	Crush Resistance kN/m	Energy kJ/m	Bending Radii Cable (mm)	
			ft.	m	lbs.	kg		inch	mm		inch	mm					static	dyna-mic

GCW • Loose Tubes*/PE Blind Elements are S-Z Stranded Around the Central Element • Water-Blocked • SWA • **A/I-DQHBH (R1.0vzk)**

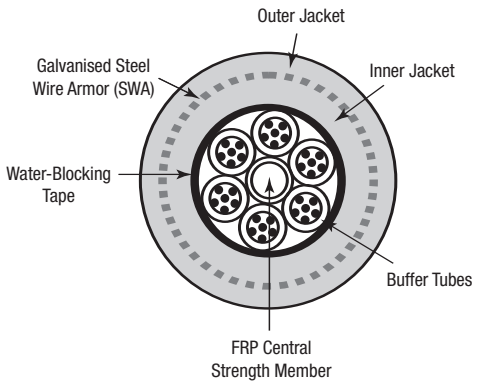
Dry Construction • Double Black LSZH Jacket

-30/70°C EN 50266-2-2
EN 50267-2-2
EN 50268-2



GCWGx04 **GCW**Gx06 **GCW**Gx08 **GCW**Gx12 **GCW**Gx18 **GCW**Gx24 **GCW**Gx30 **GCW**Gx36	4 (1x4) 6 (1x6) 8 (2x4) 12 (2x6) 18 (3x6) 24 (4x6) 30 (5x6) 36 (6x6)	6888 13448	2100 4100	1574.1 3073.2	714.0 1394.0	Ø 250 ± 15	0.07	1.9	–	0.54	13.6	2.0	8000	50	–	204	272
GCWDx24 **GCW**Dx36 **GCW**Dx48 **GCW**Dx60 **GCW**Dx72	24 (2x12) 36 (3x12) 48 (4x12) 60 (5x12) 72 (6x12)	6888 13448	2100 4100	1912.0 3733.0	867.3 1693.3	Ø 250 ± 15	0.10	2.5	–	0.61	15.5	2.7	8000	50	–	233	310
GCWEx84 **GCW**Ex96	84 (7x12) 96 (8x12)	6888 13448	2100 4100	2152.8 4203.1	976.5 1906.5	Ø 250 ± 15	0.10	2.5	–	0.67	17.0	3.0/4.3	8000	50	–	255	340
GCWFx08 **GCW**Fx20 **GCW**Fx32 **GCW**Fx44	108 (9x12) 120 (10x12) 132 (11x12) 144 (12x12)	6888 13448	2100 4100	2916.7 5694.5	1323.0 2583.0	Ø 250 ± 15	0.10	2.5	–	0.80	20.2	3.0/7.5	8000	50	–	303	404
GCWMx16	216 (18x12)	6888	2100	3101.9	1407.0	Ø 250 ± 15	0.10	2.5	–	0.83	21.0	2.7	8000	50	–	315	420
GCWIx92	192 (8x24)	6888	2100	–	–	Ø 250 ± 15	0.14	3.5	–	0.83	21.0	3.0/6.0	8000	50	–	315	420
GCWJx88	288 (12x24)	6888	2100	–	–	Ø 250 ± 15	0.14	3.5	–	1.00	25.5	3.0/10.5	8000	50	–	383	510
GCWLx32	432 (18x24)	6888	2100	–	–	Ø 250 ± 15	0.14	3.5	–	1.02	26.0	2.7/3.7	8000	50	–	390	520

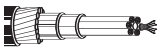
Color Code: see chart page 16.23
Loose tubes: 1. Red, 2. Green, rest of tubes White
Blind elements: Clear



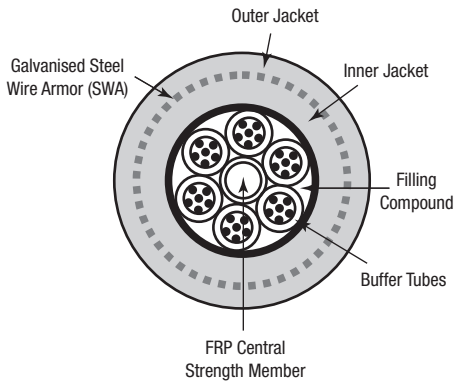
Optical characteristics see page 16.21.
* jelly-filled, non-dripping and silicone-free

Multi Loose Tube Cables

Universal – Indoor/Outdoor, Full Rodent Protection, Galvanised Steel Wire Armor (SWA)

Description	Part No.	No. of Fibers	Standard Lengths		Standard Unit Weight		Fiber Size µm	Nom. Buffer/Tube OD		Strength Members	Nominal OD		Central Element mm	Pulling Tension N	Crush Resistance kN/m	Energy kJ/m	Bending Radii Cable (mm)	
			ft.	m	lbs.	kg		inch	mm		inch	mm					static	dynamic
GEW • Loose Tubes*/PE Blind Elements are S-Z Stranded Around the Central Element • Water-Blocked • SWA • **A/I-DFHBH (R1.0vzk)**																		
Filled Construction • Double Black LSZH Jacket																		
-30/70°C EN 50266-2-2 EN 50267-2-2 EN 50268-2																		
																		
GEWGx04	4 (1x4)		6888	2100	1574.1	714.0	Ø 250 ± 15	0.07	1.9	–	0.53	13.5	2.0	8000	50	–	203	270
GEWGx06	6 (1x6)		13448	4100	3073.2	1394.0												
GEWGx08	8 (2x4)																	
GEWGx12	12 (2x6)																	
GEWGx18	18 (3x6)																	
GEWGx24	24 (4x6)																	
GEWGx30	30 (5x6)																	
GEWGx36	36 (6x6)																	
GEWDx24	24 (2x12)		6888	2100	1944.5	882.0	Ø 250 ± 15	0.10	2.5	–	0.61	15.5	2.7	8000	50	–	233	310
GEWDx36	36 (3x12)		13448	4100	3796.3	1722.0												
GEWDx48	48 (4x12)																	
GEWDx60	60 (5x12)																	
GEWDx72	72 (6x12)																	
GEWEx84	84 (7x12)		6888	2100	2199.1	997.5	Ø 250 ± 15	0.10	2.5	–	0.66	16.8	3.0/4.3	8000	50	–	252	336
GEWEx96	96 (8x12)		13448	4100	4293.5	1947.5												
GEWFx08	108 (9x12)		6888	2100	2963.0	1344.0	Ø 250 ± 15	0.10	2.5	–	0.80	20.2	3.0/7.5	8000	50	–	303	404
GEWFx20	120 (10x12)		13448	4100	5784.9	2624.0												
GEWFx32	132 (11x12)																	
GEWFx44	144 (12x12)																	
GEWMx16	216 (18x12)		6888	2100	3101.9	1407.0	Ø 250 ± 15	0.10	2.5	–	0.81	20.6	2.7	8000	50	–	309	412
GEWIx92	192 (8x24)		6888	2100	–	–	Ø 250 ± 15	0.14	3.5	–	0.81	20.5	3.0/6.0	8000	50	–	308	410
GEWJx88	288 (12x24)		6888	2100	–	–	Ø 250 ± 15	0.14	3.5	–	0.98	25.0	3.0/10.5	8000	50	–	375	500
GEWLx32	432 (18x24)		6888	2100	–	–	Ø 250 ± 15	0.14	3.5	–	1.00	25.5	2.7/3.7	8000	50	–	383	510

Color Code: see chart page 16.23
Loose tubes: 1. Red, 2. Green, rest of tubes White
Blind elements: Clear



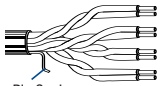
Optical characteristics see page 16.21.
* jelly-filled, non-dripping and silicone-free

Industrial Data Solutions® – Industrial Ethernet Cables

Category 5e DataTuff® Twisted Pair Cables
Heavy Duty Sunlight- and Oil-Resistant Jackets

INDUSTRIALTUFF™

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Freq. MHz	Max. Atten. dB/100m	Min. PSUM NEXT dB	Min. PSUM ACR dB/100m	Min. PSUM ELFEXT dB/100m	Input Imp. (Ω)	Min. RL dB
Cat 5e • 24 AWG • Bonded-Pair • Solid 0.5 mm Bare Copper • Rip Cord																			
Polyethylene Insulation • Industrial Grade Sunlight- and Oil-Resistant FRNC/LSNH Jacket (Black and Grey)																			
	BEB1212	IEC 60332-1	1000 1640	305 500	20.1 33.1	9.1 15.0	0.51 mm 24 AWG Solid BC	0.037	0.95	Bonded-Pair Unshielded	0.217	5.50	1 4 10 16 25 62.5 100	2.0 4.1 6.3 8.0 10.1 16.5 21.3	62.3 53.3 47.3 44.3 41.3 35.4 32.3	60.3 49.2 41.0 36.2 31.2 18.9 11.0	60.8 48.7 40.8 36.7 32.8 24.8 20.8	100 ± 15 100 ± 15 100 ± 15 100 ± 15 100 ± 15 100 ± 15 100 ± 15	20.0 23.0 25.0 25.0 25.0 21.5 20.1



Rip Cord

4-Pair
EtherNet/IP Compliant

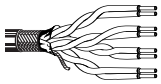
Color Code: see chart below
Burning Energy: 400 kJ/m
RJ-45 Compatible, -25°C Cold Bend

Verified to ISO/IEC 11801 (2nd Edition), EN-50173-1, TIA/EIA-568-B.2, Category 5e
U.S. Patents 5,606,151 and 5,734,126
Jacket sequentially marked at 1 m intervals.

Cat 5e • 24 AWG • Bonded-Pair • Solid 0.5 mm Bare Copper • Overall **Beldfoil®** Shield + 40% TC **Braid** • 26 AWG TC Drain Wire

Polyethylene Insulation • Industrial Grade Sunlight- and Oil-Resistant FRNC/LSNH Jacket (Black, Grey and Blue)

Heavy Shielded	**BEB3212**	IEC 60332-1	1000 1640	305 500	30.9 50.7	14.0 23.0	0.51 mm 24 AWG Solid BC	0.041	1.05	Bonded-Pair Overall Beldfoil® + Overall 40% TC Braid + Drain Wire (26 AWG TC)	0.262	6.65							see above



4-Pair
EtherNet/IP Compliant

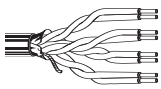
Color Code: see chart below
Burning Energy: 575 kJ/m
RJ-45 Compatible, -25°C Cold Bend

Verified to ISO/IEC 11801 (2nd Edition), EN-50173-1, Category 5e
U.S. Patents 5,606,151 and 5,734,126
Jacket sequentially marked at 1 m intervals.

Enhanced Cat 5e • 24 AWG • Bonded-Pair • Solid 0.5 mm Bare Copper • Overall **Beldfoil®** Shield • 24 AWG Tinned Copper Drain Wire

Polyolefin Insulation • Industrial Grade Sunlight- and Oil-Resistant Black PVC Jacket (Black and Blue)

Shielded	**7929A**	NEC: CMR CMX-Outdoor CEC: CMR FT4	1000 2000	305 610	37.0 72.1	16.8 32.7	0.51 mm 24 AWG Solid BC	0.045	1.14	Bonded-Pair Overall Beldfoil® + Drain Wire (24 AWG TC)	0.265	6.73	1 4 10 16 31.25 62.5 100 200	2.0 4.1 6.5 8.2 11.7 17.0 22.0 32.4	62.3 53.3 47.3 44.3 39.9 35.4 32.3 27.8	60.3 49.2 40.8 36.1 28.2 18.4 10.3 1.0	60.8 48.7 40.8 36.7 30.9 24.8 20.8 14.7	100 ± 15 100 ± 15 100 ± 15 100 ± 15 100 ± 15 100 ± 15 100 ± 15 100 ± 15	20.0 23.0 25.0 25.0 23.6 21.5 20.1 15.0



4-Pair

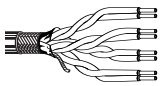
Color Code: see chart below
RJ-45 Compatible, -25°C Cold Bend
610 m put-up available in Black only.

Third party verified to TIA/EIA-568-B.2, Category 5e
U.S. Patents 5,606,151 and 5,734,126
Shield is bonded to jacket inner wall for electrical stability. Jacket sequentially marked at 0.6 m intervals.

Enhanced Cat 5e • 24 AWG • Bonded-Pair • Solid 0.5 mm BC • Overall **Beldfoil®** Shield + 70% TC **Braid** • 24 AWG Spiral Drain Wire

Polyolefin Insulation • Industrial Grade Sunlight- and Oil-Resistant Black PVC Jacket (Black, Red, Blue and Teal)

Heavy Shielded	**7921A**	NEC: CMR CMX-Outdoor CEC: CMR FT4	1000 2000	305 610	54.9 106.0	24.9 48.1	0.51 mm 24 AWG Solid BC	0.047	1.19	Bonded-Pair Overall Beldfoil® + Overall 70% TC Braid + Drain Wire (24 AWG TC)	0.330	8.38	1 4 10 16 31.25 62.5 100	2.0 4.1 6.5 8.2 11.7 17.0 22.0	62.3 53.3 47.3 44.3 39.9 35.4 32.3	60.3 49.2 40.8 36.1 28.2 18.4 10.3	60.8 48.7 40.8 36.7 30.9 24.8 20.8	100 ± 15 100 ± 15 100 ± 15 100 ± 15 100 ± 15 100 ± 15 100 ± 15	20.0 23.6 26.0 26.0 25.0 23.5 22.5



4-Pair

Color Code: see chart below
-25°C Cold Bend
610 m put-up available in Black only.

Third party verified to TIA/EIA-568-B.2, Category 5e
U.S. Patents 5,606,151 and 5,734,126
Jacket sequentially marked at 0.6 m intervals.

TC = Tinned Copper • BC = Bare Copper • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • DCR = DC resistance

Color Code

Pair No.	Color
1	White/Blue Stripe, Blue
2	White/Orange Stripe, Orange
3	White/Green Stripe, Green
4	White/Brown Stripe, Brown

Industrial Data Solutions® – Industrial Twinax

Blue Hose® Cables

INDUSTRIALTUFF™

Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 ft.	Nominal Attenuation dB/ 100 m
20 AWG • Stranded (7x28) 1.0 mm Tinned Copper • Overall **Beldfoil®** + 55% Tinned Copper Braid • 20 AWG Tinned Copper Drain Wire																			
Polyethylene Insulation • Blue Sunlight-Resistant PVC Jacket																			
300V 80°C UL AWM Style 2464	**9463**	NEC: CM CL2 CEC: CM	100 U-500 500 U-1000 1000 † 6000 † 10000	31 U-152 152 U-305 305 1829 3048	4.2 18.5 18.5 37.0 37.0 233.9 370.8	1.9 8.4 8.4 16.8 16.8 106.1 168.2	0.96 mm 20 AWG (7x28) TC	0.076	1.92	Overall Beldfoil® + Overall 55% TC Braid + Drain Wire (20 AWG TC)	0.238	6.05	78	66%	19.7	64.6	1 10 50 100 200 400	0.6 2.1 5.0 7.5 11.0 16.0	2.0 6.9 16.4 24.6 36.1 52.5
Z-Fold®																			
Color Code: Clear, Blue 305 m, 1829 m and 3048 m put-ups also available in Brown, Orange or Violet.										Allen-Bradley P/N 1770-CD P-7K-SC-182141-MSHA* CPE jacket optional.									
Polyethylene Insulation • Blue FRNC/LSNH Jacket																			
300V 80°C	**9463NH**	IEC 332-3C BS 7655	1000 1640 3280	305 500 1000	37.5 64.6 117.5	17.0 29.3 53.3	0.96 mm 20 AWG (7x28) TC	0.077	1.96	Overall Beldfoil® + Overall 55% TC Braid + Drain Wire (20 AWG TC)	0.250	6.35	78	66%	19.7	64.6	see above		
Z-Fold®																			
Color Code: Clear, Blue																			
Polyethylene Insulation • Blue FRNC/LSNH Inner Jacket • Steel Wire Armor • Blue FRNC/LSNH Outer Jacket																			
300V 80°C Steel Wire Armor	**9463LS**	IEC 332-3C BS 7655	1640 3280 4920	500 1000 1500	249.1 537.9 925.9	113.0 244.0 420.0	0.96 mm 20 AWG (7x28) TC	0.077	1.96	Overall Beldfoil® + Overall 55% TC Braid + Drain Wire (20 AWG TC)	0.250 0.423	6.35 10.75	78	66%	19.7	64.6	see above		
Z-Fold®																			
Color Code: Clear, Blue																			
Polyethylene Insulation • Blue Sunlight-Resistant LDPE Jacket																			
300V 80°C Flooded Direct Burial	**9463DB**		1000 5000	305 1524	33.1 155.2	15.0 70.4	0.96 mm 20 AWG (7x28) TC	0.076	1.92	Overall Beldfoil® + Overall 55% TC Braid + Drain Wire (20 AWG TC)	0.240	6.10	78	66%	19.7	64.6	see above		
Z-Fold®																			
Color Code: Clear, Blue										Allen-Bradley P/N 1770-CD									
20 AWG • Stranded (42x36) 1.0 mm Tinned Copper • Overall **Beldfoil®** + 85% Tinned Copper Braid																			
Polyethylene Insulation • Blue Sunlight-Resistant PVC Jacket																			
300V 60°C UL AWM Style 2464	**9463F**	NEC: CM CL2 CEC: CM	1000 5000	305 1524	42.1 205.2	19.1 93.1	0.97 mm 20 AWG (42x36) TC	0.075	1.91	Overall Beldfoil® + Overall 85% TC Braid	0.243	6.17	78	66%	19.7	64.6	see above		
Z-Fold® High-Flex																			
Color Code: Clear, Blue										Allen-Bradley P/N 1770-CD P-7K-SC-182141-MSHA*									

TC = Tinned Copper • DCR = DC resistance
† Final put-up length may vary ±10% from length shown.
* Pennsylvania Department of Environmental Resources and United States Mine Safety and Health Administration Certification.

Industrial Data Solutions® – Industrial Twinax

Twinaxial Cables

INDUSTRIALTUFF™

Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 ft.	Nominal Attenuation dB/ 100 m
20 AWG • Stranded (7x28) 1.0 mm One Tinned, One Bare Copper • **Duofoil®** • 86 % Tinned Copper Braid																			
Polyethylene Insulation • Polyethylene Inner Jacket • Black PVC Outer Jacket																			
75°C	**9207**	NEC:	100	31	7.1	3.2	0.96 mm	0.083	2.11	Overall	0.330	8.38	100	66 %	14.5	47.6	1	0.3	1.0
		CMG CL2	U-500	U-152	34.2	15.5	20 AWG			Duofoil®							10	1.2	3.9
		CEC:	500	152	34.6	15.7	(7x28) TC + BC			+ Overall							50	2.8	9.2
		CMG FT4	1000	305	68.1	30.9				86 % TC Braid							100	4.1	13.5
			1640	500	111.8	50.7											200	6.4	21.0
			2000	610	136.2	61.8											400	10.2	33.5
			3280	1000	220.2	99.9													
			5000	1524	350.8	159.1													
			Color Code: Clear, Clear							IBM P/N 7362211									
CPE jacket optional																			
Polyethylene Insulation • Black FRNC/LSNH Jacket																			
80°C	**9207NH**	IEC 332	1000	305	44.3	20.1	0.96 mm	0.077	1.96	Overall	0.339	8.60	100	66 %	14.5	47.6			see above
		BS 7655	1640	500	69.9	31.7	20 AWG			Duofoil®									
			3280	1000	143.7	65.2	(7x28) TC + BC			+ Overall									
										86 % TC Braid									
			Color Code: Clear, Clear																
16 AWG • Solid 1.3 mm Bare Copper • **Duofoil®** • 90 % Tinned Copper Braid																			
Foam Polyethylene Insulation • Black PVC Jacket																			
30V 60°C	**9860**	NEC:	500	152	52.0	23.6	1.29 mm	0.161	4.09	Overall	0.440	11.18	124	78 %	10.9	35.8	1	0.2	0.6
UL AWM Style 2448		CMX	1000	305	103.2	46.8	16 AWG			Duofoil®							10	0.7	2.3
		CEC:	2000	610	202.4	91.8	Solid BC			+ Overall							50	1.8	5.9
		CMX								90 % TC Braid							100	2.9	9.5
																	200	4.1	13.5
																	400	6.2	20.3
			Color Code: Clear, Blue																
CPE jacket optional																			
Foam Polyethylene Insulation • Black FRNC/LSNH Jacket																			
80°C	**9860NH**	IEC 332	1640	500	183.0	83.0	1.29 mm	0.161	4.09	Overall	0.441	11.20	124	78 %	10.9	35.8			see above
		BS 7655	3280	1000	354.9	161.0	16 AWG			Duofoil®									
							Solid BC			+ Overall									
										90 % TC Braid									
			Color Code: Clear, Blue																
Foam Polyethylene Insulation • FRNC/LSNH Chrome Inner Jacket • Steel Wire Armor • Black FRNC/LSNH Outer Jacket																			
80°C	**9860LS**	IEC	1640	500	581.8	263.8	1.29 mm	0.161	4.09	Overall	*0.441	*11.20	124	78 %	10.9	35.8			see above
		332-3C	3280	1000	1262.6	572.7	16 AWG			Duofoil®	**0.650	**16.50							
		BS 7655					Solid BC			+ Overall									
										90 % TC Braid									
			Color Code: Clear, Blue																

* Under Armor
** Over Armor

TC = Tinned Copper • DCR = DC resistance
Duofoil® see technical information page 23.13.

Industrial Data Solutions® – Industrial Twinax

Twinaxial Cables

INDUSTRIALTUFF™

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/100 ft.	Nominal Attenuation dB/100 m
22 AWG • Stranded (19x34) 0.8 mm Tinned Copper • **Duofoil®** • 22 AWG Tinned Copper Drain Wire																			
Datalene® Insulation • Black PVC Jacket																			
30V 60°C UL AWM Style 2668	**9182**	NEC: CL2X CMX CEC: CMX	U-500 500 1000	U-152 152 305	22.5 22.9 44.1	10.2 10.4 20.0	0.78 mm 22 AWG (19x34) TC	0.137	3.49	Overall Duofoil® + Drain Wire (22 AWG TC)	0.345	8.76	150	78%	8.8	28.9	1 10 50 100 200 400	0.4 1.2 2.7 4.3 6.2 8.8	1.3 3.9 8.9 14.1 20.3 28.9
																			
VW-1																			
		Color Code: Black, Yellow								Dual version: YR41609 CPE jacket optional.									
Datalene® Insulation • Black FRNC/LSNH Jacket																			
300V 80°C	**9182NH**	IEC 332-1 BS 7655	1000 1640 3280	305 500 1000	50.3 80.0 150.1	22.8 36.3 68.1	0.78 mm 22 AWG (19x34) TC	0.136	3.45	Overall Duofoil® + Drain Wire (22 AWG TC)	0.346	8.80	150	78%	8.8	28.9	1 5 10 20 50 100 200 400	0.4 0.9 1.2 1.7 2.7 4.3 6.2 8.8	1.3 2.8 3.9 5.6 8.9 14.1 20.3 28.9
																			
		Color Code: Black, Yellow																	
Plenum • Foam FEP Teflon® Insulation • Black FEP Teflon® Jacket																			
	89182	NEC: CMP CL2P CEC: CMP FT6	100 † 500 † 1000	31 152 305	6.4 28.0 53.1	2.9 12.7 24.1	0.78 mm 22 AWG (19x34) TC	0.139	3.53	Overall Duofoil® + Drain Wire (22 AWG TC)	0.307	7.80	150	78%	8.8	28.9	1 10 50 100 200 400	0.4 1.2 2.7 4.3 6.2 8.8	1.3 3.9 8.9 14.1 20.3 28.9
																			
		Color Code: Black, Yellow																	

TC = Tinned Copper • DCR = DC resistance
† Spools are one piece, but length may vary ±10% from length shown.

Duofoil® see technical information page 23.13.

Teflon® is a DuPont trademark.

Industrial Data Solutions® – Industrial Data

DataBus® ISA/SP-50 FOUNDATION Fieldbus or PROFIBUS Cables

INDUSTRIALTUFF™

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/100 ft.	Nominal Attenuation dB/100 m
FOUNDATION Fieldbus/PROFIBUS PA • 18 AWG • Stranded (7x26) 1.2 mm Tinned Copper • **Beldfoil®** • 20 AWG Tinned Copper Drain Wire																			
Polyolefin Insulation • PVC Jacket (Orange and Blue)																			
Type A 300V 75°C (31.25 kbits/sec)	**3076F**	NEC: PLTC CM ITC CEC: CM	250 500 1000 2500 † 5000	76 152 305 762 1524	10.6 18.5 34.2 85.1 170.4	4.8 8.4 15.5 38.6 77.3	1.22 mm 18 AWG (7x26) TC	0.088	2.24	Overall Beldfoil® + Drain Wire (20 AWG TC)	0.253	6.43	100 @ 31.25 KHz	66%	24.0	78.7	0.039	0.1	0.26
Shorting Fold																			
Color Code: Orange, Blue Fieldbus: Orange jacket Profibus PA: Intrinsically safe Blue jacket. Blue available as standard in 305 m put-up only. CPE jacket optional.																			
123076F – Version with Aluminum Interlocked Armor 133076F – Version with Steel Interlocked Armor YM47023 – CPE jacketed version YM46698 – Black & White color-coded pairs YM47090 – Various colored jackets YM41725 – LSZH (FRNC) jacketed version																			
Polyolefin Insulation • FRNC/LSNH Jacket (Blue and Orange)																			
300V 80°C	**3076ENH**	IEC 332-3C BS 7655	1640 3280	500 1000	98.3 191.1	44.6 86.7	1.22 mm 18 AWG (7x26) TC	0.088	2.24	Overall Beldfoil® + Drain Wire (20 AWG TC)	0.295	7.50	100	66%	24.4	80.0	0.01 0.039 0.1 0.5 1.0	0.1 0.2 0.2 0.6 1.0	0.4 0.5 0.8 2.1 3.2
Shorting Fold																			
Color Code: White, Black																			
Polyolefin Insulation • FRNC/LSNH Inner Jacket (Black and Blue) • **Steel Wire Armor • Black FRNC/LSNH Outer Jacket**																			
300V 80°C	**3076ELS**	IEC 332-3C BS 7655	1640 3280	500 1000	394.8 737.0	179.1 334.3	1.22 mm 18 AWG (7x26) TC	0.088	2.24	Overall Beldfoil® + Drain Wire (20 AWG TC)	*0.295 **0.512	*7.50 **13.00	100	66%	24.4	80.0			see above
Shorting Fold																			
* Under Armor ** Over Armor																			
Color Code: White, Black																			
FOUNDATION Fieldbus • 22 AWG • Stranded (7x30) 0.8 mm Tinned Copper • **Beldfoil®** • 20 AWG Tinned Copper Drain Wire																			
Polyolefin Insulation • Orange PVC Jacket																			
Type B 300V 150°C (31.25 kbits/sec)	**3077F**	NEC: PLTC CM ITC CEC: CM	† 500 † 1000	152 305	11.0 22.9	5.0 10.4	0.76 mm 22 AWG (7x30) TC	0.059	1.50	Overall Beldfoil® + Drain Wire (20 AWG TC)	0.196	4.97	100 @ 31.25 KHz	66%	23.5	77.1	0.039	0.1	0.5
Shorting Fold																			
Color Code: Orange, Blue CPE and LSZH jacketed versions also available.																			
123077F – Version with Aluminum Interlocked Armor 133077F – Version with Steel Interlocked Armor																			
Polyolefin Insulation • FRNC/LSNH Jacket (Blue and Orange)																			
300V 80°C	**3077ENH**	IEC 332-3C BS 7655	1640 3280	500 1000	86.9 168.2	39.4 76.3	0.76 mm 22 AWG (7x30) TC	0.059	1.50	Overall Beldfoil® + Drain Wire (20 AWG TC)	0.295	7.50	100	66%	25.9	85.0	0.01 0.039 0.1 0.5 1.0	0.2 0.2 0.3 1.1 1.6	0.6 0.7 0.9 3.5 5.1
Shorting Fold																			
Color Code: White, Black																			
Polyolefin Insulation • FRNC/LSNH Inner Jacket (Black and Blue) • **Steel Wire Armor • Black FRNC/LSNH Outer Jacket**																			
300V 80°C	**3077ELS**	IEC 332-3C BS 7655	1640 3280	500 1000	381.8 741.8	173.2 336.5	0.76 mm 22 AWG (7x30) TC	0.059	1.50	Overall Beldfoil® + Drain Wire (20 AWG TC)	*0.295 **0.512	*7.50 **13.00	100	66%	25.9	85.0			see above
Shorting Fold																			
* Under Armor ** Over Armor																			
Color Code: White, Black																			

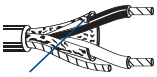
TC = Tinned Copper • DCR = DC resistance
† Final put-up length may vary 0% to +10% from length shown.

Industrial Data Solutions® – Industrial Data

DataBus® ISA/SP-50 FOUNDATION Fieldbus or PROFIBUS Cables

INDUSTRIALTUFF™

Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 ft.	Nominal Attenuation dB/ 100 m
FOUNDATION Fieldbus • 22 AWG • Stranded (7x30) 0.8 mm Tinned Copper • **Beldfoil®** • 20 AWG Tinned Copper Drain Wire																			
FHDPE Insulation • Orange PVC Jacket																			
High Speed 300V 75°C (1.0 & 2.5 Mbits/sec)	**3078F**	NEC:	250	76	9.9	4.5	0.76 mm	0.121	3.07	Overall	0.351	8.92	150 @	78%	8.5	27.9	0.25	0.2	0.6
		PLTC CM	500	152	22.9	10.4	22 AWG			Beldfoil®			1 MHz				0.625	0.3	0.9
		CEC:	1000	305	44.1	20.0	(7x30) TC			+ Drain Wire							1.25	0.3	1.1
		CM	2500	762	115.1	52.2				(20 AWG TC)							3.125	0.6	1.8



Shorting Fold

Color Code: Orange, Blue
CPE and LSZH jacketed versions also available.

123078F – Version with Aluminum Interlocked Armor
133078F – Version with Steel Interlocked Armor

DataBus® PROFIBUS • DP EN50170-2-2

Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 ft.	Nominal Attenuation dB/ 100 m
Profibus DP • 22 AWG • Solid 0.6 mm Bare Copper • **Beldfoil®** • 65% Tinned Copper Braid																			
FHDPE Insulation • Chrome and Violet PVC Jacket																			
300V 75°C	**3079A**	NEC:	1000	305	56.0	25.4	0.64 mm	0.099	2.52	Overall	0.315	8.00	150	78%	8.5	27.9	0.2	0.3	0.9
		PLTC CMG	2000	610	112.0	50.8	22 AWG			Beldfoil®							4	0.7	2.2
		CEC:	3600	1098	201.5	91.4	Solid BC			+ Overall							16	1.4	4.5
		CMG FT4								65% TC Braid							100	3.8	12.3
																	300	6.5	21.4

Color Code: Red, Green
Siemens Sinec L2 cable
UL AWM 20201 (600V)

123079A – Aluminum Interlocked Armor
133079A – Steel Interlocked Armor
YR45047 – CPE jacketed version
YR44731 – LSZH (FRNC) jacketed version

Profibus DP • 22 AWG • Stranded (7x30) 0.8 mm Bare Copper • **Beldfoil®** • 65% Tinned Copper Braid

FR-FPE Insulation • Violet PVC Jacket

300V 75°C	**3079E**	NEC:	1000	305	44.1	20.0	0.76 mm	0.099	2.52	Overall	0.315	8.00	150	78%	8.5	27.9	0.2	0.3	1.1
		PLTC CMG	1640	500	73.9	33.5	22 AWG			Beldfoil®							4	0.8	2.7
		CEC:	3280	1000	144.4	65.5	(7x30) BC			+ Overall							16	1.6	5.4
		CMG FT4								65% TC Braid									

Color Code: Red, Green
For CPE jacketed version order Part No. YR45047

Cellular Polyolefin Insulation • Violet FRNC/LSNH Jacket

300V 80°C	**3079ANH**	IEC	1000	305	214.1	97.1	0.64 mm	0.099	2.52	Overall	0.315	8.00	150	78%	8.8	29.0	0.2	0.3	0.9
		332-3C	1640	500	358.2	162.5	22 AWG			Beldfoil®							4	0.7	2.2
		BS 7655	3280	1000	711.2	322.6	Solid BC			+ Overall							16	1.4	4.5
										65% TC Braid							100	3.8	12.3

Color Code: Red, Green

Cellular Polyolefin Insulation • Black PVC Jacket • Steel Wire Armor

300V 80°C	**3079ALS**	IEC	1640	500	102.5	46.5	0.64 mm	0.099	2.52	Overall	*0.315	*8.00	150	78%	8.5	27.9	0.2	0.3	0.9
		332-3C	3280	1000	183.0	83.0	22 AWG			Beldfoil®	**0.488	**12.40					4	0.7	2.2
		BS 7655					Solid BC			+ Overall							16	1.4	4.5
										65% TC Braid									

* Under Armor
** Over Armor

Color Code: Red, Green

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance

Industrial Data Solutions® – Industrial Data

LonWorks Cables

INDUSTRIALTUFF™

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/100 ft.	Nominal Attenuation dB/100 m
22 AWG • Solid 0.6 mm Bare Copper • Twisted Pair																			
Foam Polyethylene Insulation • White FRNC/LSNH Jacket																			
80°C	**7701NH**	IEC 332-3C BS 7655	1000 1640	305 500	10.6 17.6	4.8 8.0	0.64 mm 22 AWG Solid BC	0.046	1.17	Unshielded	0.138	3.50	100	68%	14.0	46.0	1 1 4 10 16 20	0.4 0.5 0.9 1.5 1.9 2.1	1.3 1.5 3.1 4.9 6.3 6.9
																			
1-Pair																			
Color Code: White/Blue, Blue/White																			
Foam Polyethylene Insulation • White FRNC/LSNH Jacket																			
80°C	**7702NH**	IEC 332-3C BS 7655	1000	305	19.6	8.9	0.64 mm 22 AWG Solid BC	0.046	1.14	Unshielded	0.205	5.20	100	68%	14.0	46.0	see above		
																			
2-Pair																			
Color Code: White/Blue, Blue/White, Orange/White, White/Orange																			
22 AWG • Solid 0.6 mm Bare Copper • Twisted Pair • **Beldfoil®** • 24 AWG Tinned Copper Drain Wire																			
Foam Polyethylene Insulation • White FRNC/LSNH Jacket																			
80°C	**7703NH**	IEC 332-3C BS 7655	1000	305	17.9	8.1	0.64 mm 22 AWG Solid BC	0.061	1.55	Overall Beldfoil® + Drain Wire (24 AWG TC)	0.181	4.60	100	68%	24.4	80.0	1 1 4 10 16 20	0.5 0.6 1.1 1.7 2.1 2.4	1.8 2.0 3.6 5.5 7.0 7.8
																			
1-Pair																			
Color Code: White/Blue, Blue/White																			
Foam Polyethylene Insulation • White FRNC/LSNH Jacket																			
	7704NH	IEC 332-3C BS 7655	1000 1640 3346	305 500 1020	27.1 44.3 88.6	12.3 20.1 40.2	0.64 mm 22 AWG Solid BC	0.053	1.35	Overall Beldfoil® + Drain Wire (24 AWG TC)	0.256	6.50	100	68%	12.2	40.0	see above		
																			
2-Pair																			
Color Code: White/Blue, Blue/White, Orange/White, White/Orange																			
16 AWG • Stranded (19x29) 1.5 mm Tinned Copper • Twisted Pair																			
PVC Insulation • Chrome PVC Jacket																			
UL AWM Style 2598	**8471**	NEC: CMG CEC: CMG FT4	U-500 500 U-1000 1000	U-152 152 U-305 305	20.1 20.1 39.0 40.1	9.1 9.1 17.7 18.2	1.47 mm 16 AWG (19x29) TC	0.105	2.67	Unshielded	0.274	6.96							
																			
1-Pair																			
Color Code: Black, White																			

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance

Industrial Data Solutions® – Industrial Data

LonWorks Cables

INDUSTRIALTUFF™

Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Color Code
16 AWG • Stranded (19x29) 1.5 mm Tinned Copper • Twisted Pair													
Polyethylene Insulation • Chrome FRNC/LSNH Jacket													
Part 1	**8471NH**	IEC 60332	1000 1640 3280	305 500 1000	60.5 66.1 132.3	27.5 30.0 60.0	1.47 mm 16 AWG (19x29) TC	0.105	2.67	Unshielded	0.280	7.10	Black, White
 1-Pair													
Polyethylene Insulation • FRNC/LSNH Inner Jacket • Steel Wire Armor • Chrome FRNC/LSNH Outer Jacket													
Part 1	**8471LS**	IEC 60332	1000 1640 3280	305 500 1000	248.9 407.9 815.7	112.9 185.0 370.0	1.47 mm 16 AWG (19x29) TC	0.032	0.81	Unshielded	0.413	10.50	Black, White
 1-Pair													
Tefzel® Insulation • Clear Tefzel® Jacket													
300V RMS 80° VW-1	**85102**		500 1000	152 305	20.1 33.1	9.1 15.0	1.47 mm 16 AWG (19x29) TC	0.015	0.38	Unshielded	0.211	5.36	Black, White
 1-Pair													
16 AWG • Stranded (19x29) 1.5 mm Tinned Copper • Twisted Pair • **Beldfoil®** • 18 AWG Tinned Copper Drain Wire													
Polyethylene Insulation • Chrome PVC Jacket													
300V RMS 80° UL AWM Style 20253	**8719**	NEC: CM CL2 CEC: CM	U-500 500 U-1000 1000 2000 5000 10000	U-152 152 U-305 305 610 1524 3049	24.5 24.5 47.2 49.2 100.3 245.6 431.0	11.1 11.1 21.4 22.3 45.5 111.4 195.5	1.47 mm 16 AWG (19x29) TC	0.032	0.81	Overall Beldfoil® + Drain Wire (18 AWG TC)	0.313	7.95	Black, Clear
 1-Pair													

TC = Tinned Copper • DCR = DC resistance

Tefzel® is a DuPont trademark.

Industrial Data Solutions® – Industrial Data

Low-Capacitance Computer Cables for EIA RS-485 Applications

INDUSTRIALTUFF™

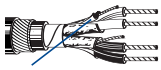
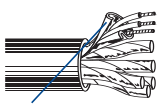
Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code
24 AWG • Stranded (7x32) 0.6 mm Tinned Copper • Overall **Beldfoil®** + 90% Tinned Copper Braid • 24 AWG Tinned Copper Drain Wire																		
Polyethylene Insulation • Chrome PVC Jacket																		
30V 80°C UL AWM Style 2919		NEC: CM CEC: CM					0.61 mm 24 AWG (7x32) TC	0.068	1.73	Overall Beldfoil® + Overall 90% TC Braid + Drain Wire (24 AWG TC)			120	66%	CDR/CDR CDR/SCR	12.8 23.0	42.0 75.5	see chart 5 (Tech Info Section)
DMX 512	**9841**	1-Pair	100 500 1000	31 152 305	4.9 20.1 40.1	2.2 9.1 18.2					0.232	5.89						
	9842	2-Pair	100 500 1000	31 152 305	5.7 29.5 57.1	2.6 13.4 25.9					0.340	8.64						
	9843	3-Pair	100 500 1000	31 152 305	7.1 34.6 67.2	3.2 15.7 30.5					0.360	9.14						
	9844	4-Pair	500 1000	152 305	43.0 83.1	19.5 37.7					0.390	9.91						
Polyethylene Insulation • Chrome FRNC/LSNH Jacket																		
80°C		IEC 332-3C BS 7655					0.61 mm 24 AWG (7x32) TC	0.068	1.73	Overall Beldfoil® + Overall 90% TC Braid + Drain Wire (24 AWG TC)			120	66%	CDR/CDR CDR/SCR	12.8 23.0	42.0 75.5	see chart 5 (Tech Info Section)
	9841NH	1-Pair	1000 1640 3280	305 500 1000	38.1 65.0 124.8	17.3 29.5 56.6					0.232	5.90						
	9842NH	2-Pair	1000 1640 3280	305 500 1000	64.4 102.7 196.4	29.2 46.6 89.1					0.341	8.65						
	9843NH	3-Pair	1000	305	69.0	31.3					0.358	9.10						
Polyethylene Insulation • Chrome FRNC/LSNH Inner Jacket • Steel Wire Armor • Black Sunlight-Resistant FRNC/LSNH Jacket																		
80°C		IEC 332-3C BS 7655					0.61 mm 24 AWG (7x32) TC	0.068	1.73	Overall Beldfoil® + Overall 90% TC Braid + Drain Wire (24 AWG TC)			120	66%	CDR/CDR CDR/SCR	12.8 23.0	42.0 75.5	see chart 5 (Tech Info Section)
	9841LS	1-Pair	1000 1640 3280	305 500 1000	154.1 276.9 624.3	69.9 125.6 283.2					*0.232 **0.406	*5.90 **10.30						
* Under Armor ** Over Armor	**9842LS**	2-Pair	1000 1640 3280	305 500 1000	195.5 335.1 648.2	88.7 152.0 294.0					*0.341 **0.516	*8.65 **13.10						

TC = Tinned Copper • DCR = DC resistance

Industrial Data Solutions® – Interconnect Cables

Shielded Twisted Pair Cables

INDUSTRIALTUFF™

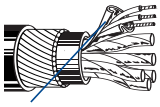
Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code
24 AWG • Stranded (7x32) 0.6 mm Tinned Copper • Twisted Pair • **Beldfoil®** • 24 AWG Tinned Copper Drain Wire																		
Datalene® Insulation • Chrome PVC Jacket																		
300V 60°C UL AWM Style 2493	**9729**	NEC: CM CEC: CM	100 500 1000 10000	31 152 305 3049	4.4 20.5 39.0 390.4	2.0 9.3 17.7 177.1	0.61 mm 24 AWG (7x32) TC	0.061	1.55	Individual Beldfoil® + Drain Wire (24 AWG TC)	0.266	6.76	100	76%	CDR/CDR CDR/SCR	12.5 23.2	41.0 76.1	Red, Black White, Black
 Z-Fold®																		
2-Pair																		
Datalene® Insulation • Black FRNC/LSNH Jacket • Color Coded Foils (Red, Green)																		
300V 80°C	**9729NH**	IEC 332-3C BS 7655	1000 1640 3280	305 500 1000	44.1 74.5 137.3	20.0 33.8 62.3	0.61 mm 24 AWG (7x32) TC	0.061	1.55	Individual Beldfoil® + Drain Wire (24 AWG TC)	0.335	8.50	100	76%	CDR/CDR CDR/SCR	12.5 23.2	41.0 76.1	Red, Black White, Black
 Z-Fold®																		
2-Pair																		
Datalene® Insulation • Chrome FRNC/LSNH Inner Jacket • Steel Wire Armor • Black Sunlight-Resistant FRNC/LSNH Jacket • Color Coded Foils (Red, Green)																		
300V 80°C	**9729LS**	IEC 332-3C BS 7655	1640 3280	500 1000	347.2 672.4	157.5 305.0	0.61 mm 24 AWG (7x32) TC	0.061	1.55	Individual Beldfoil® + Drain Wire (24 AWG TC)	*0.335 **0.512	*8.50 **13.00	100	76%	CDR/CDR CDR/SCR	12.5 23.2	41.0 76.1	Red, Black White, Black
 Z-Fold®																		
2-Pair																		
* Under Armor ** Over Armor																		
22 AWG • Stranded (7x30) 0.8 mm Tinned Copper • Twisted Pair • **Beldfoil®** • 22 AWG Tinned Copper Drain Wire																		
Polypropylene Insulation • Chrome PVC Jacket																		
30V 80°C UL AWM Style 2919	**8777**	NEC: CM CEC: CM	100 250 U-500 500 U-1000 1000 1640 3280 5000 10000	31 76 U-152 152 U-305 305 500 1000 1524 3049	4.6 11.0 20.9 20.9 41.0 42.1 67.2 137.8 210.1 450.4	2.1 5.0 9.5 9.5 18.6 19.1 30.5 62.5 95.3 204.3	0.76 mm 22 AWG (7x30) TC	0.050	1.27	Individual Beldfoil® + Drain Wire (22 AWG TC)	0.273	6.93	50	66%	CDR/CDR CDR/SCR	30.0 55.0	98.0 180.0	Red, Black White, Black Green, Black
 Z-Fold®																		
For Plenum version of 8777, see 88777, 87777 or 82777.																		
3-Pair																		
Polypropylene Insulation • Chrome FRNC/LSNH Jacket • Color Coded Foils (Red, Green, Blue)																		
300V 80°C	**8777NH**	IEC 332-3C BS 7655	1000 1640 3280	305 500 1000	50.7 78.5 151.5	23.0 35.6 68.7	0.76 mm 22 AWG (7x30) TC	0.050	1.27	Individual Beldfoil® + Drain Wire (22 AWG TC)	0.276	7.00	50	66%	CDR/CDR CDR/SCR	30.0 55.0	98.4 180.4	Red, Black White, Black Green, Black
 Z-Fold®																		
3-Pair																		

TC = Tinned Copper • DCR = DC resistance

Industrial Data Solutions® – Interconnect Cables

Shielded Twisted Pair Cables

INDUSTRIALTUFF™

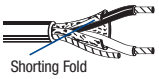
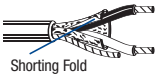
Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code
22 AWG • Stranded (7x30) 0.8 mm Tinned Copper • Twisted Pair • **Beldfoil®** • 22 AWG Tinned Copper Drain Wire																		
Polyethylene Insulation • Chrome FRNC/LSNH Inner Jacket • Steel Wire Armor • Black Sunlight-Resistant FRNC/LSNH Jacket • Color Coded Foils (Red, Green, Blue)																		
300V 80°C	**8777LS**	IEC 332-3C BS 7655	1640 3280	500 1000	290.3 712.5	131.7 323.2	0.76 mm 22 AWG (7x30) TC	0.050	1.27	Individual Beldfoil® + Drain Wire (22 AWG TC)	*0.276 **0.425	*7.00 **10.80	50	66%	CDR/CDR CDR/SCR	30.0 55.0	98.4 180.4	Red, Black Green, White Green, Black
 Z-Fold® 3-Pair																		
* Under Armor ** Over Armor																		
22 AWG • Stranded (7x30) 0.8 mm Tinned Copper • Twisted Pair • **Beldfoil®** • 24 AWG Tinned Copper Drain Wire																		
Polypropylene Insulation • Chrome PVC Jacket																		
300V RMS 60°C	**8723**	NEC: CM CEC: CM	100 U-500 500 U-1000 1000 1640 U-2000 2000 3280 5000 10000	31 U-152 152 U-305 305 500 U-610 610 1000 1524 3049	2.2 10.6 9.9 20.1 20.1 32.8 40.1 40.1 65.7 95.0 200.4	1.0 4.8 4.5 9.1 9.1 14.9 18.2 18.2 29.8 43.1 90.9	0.76 mm 22 AWG (7x30) TC	0.046	1.17	Individual Beldfoil® + Drain Wire (24 AWG TC)	0.168	4.27	45	66%	CDR/CDR CDR/SCR	35.0 62.0	115.0 203.0	Red, Black Green, White
 2-Pair																		
For Plenum version of 8723, see 88723, 87723 or 82723 Pairs cabled on common axis to reduce diameter.																		
Polypropylene Insulation • Chrome FRNC/LSNH Jacket																		
300V 80°C	**8723NH**	IEC 332-3C BS 7655	1000 1640 3280	305 500 1000	23.1 36.8 75.0	10.5 16.7 34.0	0.76 mm 22 AWG (7x30) TC	0.046	1.17	Individual Beldfoil® + Drain Wire (24 AWG TC)	0.179	4.55	45	66%	CDR/CDR CDR/SCR	35.0 62.0	114.8 203.4	Red, Black Green, White
 2-Pair																		
Pairs cabled on common axis to reduce diameter.																		
Polypropylene Insulation • Chrome FRNC/LSNH Inner Jacket • Steel Wire Armor • Black Sunlight-Resistant FRNC/LSNH Jacket																		
300V 80°C	**8723LS**	IEC 332-3C BS 7655	1640 3280	500 1000	168.7 350.1	76.5 158.8	0.76 mm 22 AWG (7x30) TC	0.046	1.17	Individual Beldfoil® + Drain Wire (24 AWG TC)	*0.179 **0.346	*4.55 **8.80	45	66%	CDR/CDR CDR/SCR	35.0 62.0	114.8 203.4	Red, Black Green, White
 2-Pair																		
* Under Armor ** Over Armor																		
Plenum • FEP Insulation • Red FEP Jacket																		
300V RMS Non-conduit	**88723**	NEC: CMP CEC: CMP FT6	100 500 1000	31 152 305	3.3 11.0 20.9	1.5 5.0 9.5	0.76 mm 22 AWG (7x30) TC	0.046	1.17	Individual Beldfoil® + Drain Wire (24 AWG TC)	0.148	3.76	40	69%	CDR/CDR CDR/SCR	35.0 67.0	115.0 220.0	Red, Black Green, White
 Z-Fold® 2-Pair																		

TC = Tinned Copper • DCR = DC resistance

Industrial Data Solutions® – Interconnect Cable

Shielded Twisted Pair Cables

INDUSTRIALTUFF™

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code
18 AWG • Stranded (16x30) 1.2 mm Tinned Copper • Twisted Pair • **Beldfoil®** • 20 AWG Tinned Copper Drain Wire																		
Polyethylene Insulation • Chrome PVC Jacket																		
300V 60°C UL AWM Style 2092	**8760**	NEC: CM CEC: CM	250 U-500 500 U-1000 1000 2000 5000 10000	76 U-152 152 U-305 305 610 1524 3049	6.8 13.0 13.0 26.0 26.0 50.0 135.1 260.1	3.1 5.9 5.9 11.8 11.8 22.7 61.3 118.0	1.2 mm 18 AWG (16x30) TC	0.082	2.08	Overall Beldfoil® + Drain Wire (20 AWG TC)	0.222	5.64	–	–	CDR/CDR CDR/SCR	24.0 44.0	79.0 144.0	Black, Clear
 Shorting Fold 1-Pair		For Plenum version of 8760, see 88760, 87760 or 82760.																
Polyethylene Insulation • Chrome FRNC/LSNH Jacket																		
300V 80°C	**8760NH**	IEC 332-3C BS 7655	1000 1640 3280	305 500 1000	34.6 54.2 110.5	15.7 24.6 50.1	1.2 mm 18 AWG (16x30) TC	0.082	2.08	Overall Beldfoil® + Drain Wire (20 AWG TC)	0.236	6.00	60	66%	CDR/CDR CDR/SCR	24.0 44.0	78.7 144.4	Black, Clear
 Shorting Fold 1-Pair																		
Polyethylene Insulation • Chrome FRNC/LSNH Inner Jacket • Steel Wire Armor • Black Sunlight-Resistant FRNC/LSNH Jacket																		
300V 80°C	**8760LS**	IEC 332-3C BS 7655	1640 3280	500 1000	270.1 610.5	122.5 276.9	1.2 mm 18 AWG (16x30) TC	0.082	2.08	Overall Beldfoil® + Drain Wire (20 AWG TC)	*0.236 **0.409	*6.00 **10.40	60	66%	CDR/CDR CDR/SCR	24.0 44.0	78.7 144.4	Black, Clear
 Shorting Fold 1-Pair																		

* Under Armor
** Over Armor

TC = Tinned Copper • DCR = DC resistance

Analog Multi-Pair Snake Cables

Beldfoil® High-Performance Cables
Individually Shielded and Jacketed Pairs

BRILLIANCE®

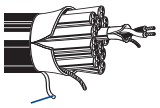
Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code

24 AWG • Stranded (7x32) 0.6 mm High-Conductivity (Oxygen-Free) Tinned Copper • Each Pair **Beldfoil®** Shielded • 24 AWG Tinned Copper Drain Wire • Numbered and Color Coded PVC Jackets • Overall **Beldfoil®** Shield • Rip Cord

Polyolefin Insulation • Overall Black PVC Jacket with 18 AWG Tinned Copper Drain Wire

300V RMS 75°C | NEC: CM CEC: CM | 0.61 mm 24 AWG (7x32) TC | 0.040 | 1.02 | Individual Beldfoil® + Drain Wire (24 AWG TC) + Overall Beldfoil® | 60 | – | CDR/CDR CDR/SCR | 31 58 | 102 190 | Brown, Red

Jacketed Pairs O.D.: 0.111 2.82



Pulling Tension:

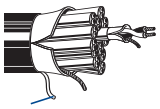
0.22 mm²	**1508A**	1-Pair	500 1000	152 305	6.5 11.0	2.9 5.0					0.131	3.33						73 N
	1509C	2-Pair	500 1000	152 305	24.0 46.0	10.9 20.9					0.301	7.65						246 N
	1510C	4-Pair	500 1000	152 305	35.5 72.0	16.1 32.7					0.352	8.94						393 N
	1511C	6-Pair	500 1000	152 305	52.0 102.0	23.6 46.3					0.418	10.61						544 N
	1512C	8-Pair	500 1000	152 305	65.5 124.0	29.7 56.2					0.452	11.48						676 N
	1513C (DT-12)	12-Pair	500 1000	152 305	89.5 178.0	40.6 80.7					0.561	14.25						980 N
	1514C	16-Pair	500 1000	152 305	122.5 241.0	55.6 109.3					0.628	15.95						1273 N
	1515C	20-Pair	500 1000	152 305	142.5 288.0	64.6 130.6					0.770	19.56						1567 N
	1516C	24-Pair	500 1000	152 305	180.5 371.0	81.9 168.3					0.807	20.50						1861 N
	1517C	26-Pair	500 1000	152 305	187.5 385.0	85.0 174.6					0.823	20.90						2007 N
	1518C	32-Pair	500 1000	152 305	236.5 481.0	107.3 218.2					0.897	22.78						2448 N
	1519C	52-Pair	500 1000	152 305	372.5 731.0	169.0 331.6					1.117	28.37						3916 N

24 AWG • Stranded (7x32) 0.6 mm High-Conductivity (Oxygen-Free) Tinned Copper • Each Pair **Beldfoil®** Shielded • 24 AWG Tinned Copper Drain Wire • Numbered FRNC Jackets • Overall **Beldfoil®** Shield • Rip Cord

Polyolefin Insulation • Overall Black FRNC/LSNH Jacket with 18 AWG Tinned Copper Drain Wire

300V RMS 75°C | NEC: CM CEC: CM | 0.61 mm 24 AWG (7x32) TC | 0.040 | 1.02 | Individual Beldfoil® + Drain Wire (24 AWG TC) + Overall Beldfoil® | 60 | – | CDR/CDR CDR/SCR | 28 55 | 92 180 | Brown, Red

Jacketed Pairs O.D.: 0.111 2.82



Pulling Tension:

0.22 mm²	**1508ENH**	1-Pair	1640 3280	500 1000	21.0 42.4	9.5 19.1					0.131	3.33						73 N
	1509ENH	2-Pair	1640	500	79.1	35.9					0.301	7.65						246 N
	1512ENH	8-Pair	1640 3280	500 1000	215.4 430.8	97.7 195.4					0.453	11.50						676 N

TC = Tinned Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors

AES/EBU Digital Multi-Pair Snake Cables

Beldfoil® High-Performance Cable, Low-Capacitance Individually Shielded and Jacketed Pairs

BRILLIANCE®

26 AWG • Stranded (7x34) 0.5 mm High-Conductivity (Oxygen-Free) TC • Each Pair **Beldfoil®** Shielded • 26 AWG Tinned Copper Drain Wire • Numbered and Color Coded PVC Jackets • Overall **Beldfoil®** Shield • Rip Cord

Datalene® Insulation • Overall Matte Black PVC Jacket with 26 AWG Tinned Copper Drain Wire

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/100 ft.	Nominal Attenuation dB/100 m
300V RMS 80°C		NEC: CMG CEC: CMG FT4					0.48 mm 26 AWG (7x34) TC	0.054	1.37	Individual Beldfoil® + Drain Wire (26 AWG TC) + Overall Beldfoil®			110	76%	13.0	42.7	2.0 4.0 5.0 6.0 12.0 25.0	1.7 2.1 2.3 2.5 3.2 4.2	5.5 6.9 7.5 8.1 10.4 13.8
								Jacketed Pairs O.D.: 0.136	3.45										
Rip Cord 0.14 mm²	**7891A**	2-Pair	500 1000	152 305	28.0 56.0	12.7 25.4					0.343	8.71						Pulling Tension: 107 N	
	7890A	4-Pair	100 250 500 1000	31 76 152 305	8.2 18.0 31.0 61.0	3.7 8.2 14.1 27.7					0.399	10.13						200 N	
	7880A (Fits D-Sub connectors)	8-Pair	† 250 500 1000	76 152 305	28.0 57.0 142.0	12.7 25.9 64.4					0.541	13.74						374 N	
	7892A	12-Pair	500 1000	152 305	85.0 174.0	38.6 78.9					0.679	17.25						574 N	
	7893A	16-Pair	500 1000	152 305	109.5 240.0	49.7 108.9					0.770	19.56						761 N	
	Color Code: Red, Black																		

Fire Resistant, Installation Cable, FRNC/LSNH IEC 332-3C Individually Shielded and Jacketed Pairs

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/100 ft.	Nominal Attenuation dB/100 m
100V RMS 70°C		IEC 332-3C					0.5 mm 26 AWG (18x0.1) TC	0.044	1.13	Individual Spiral Serve > 90% TC Braid + Overall Braid	0.488	12.39	110	60%	17.4	57.0	0.1 1.0 4.0 10.0	0.3 0.7 1.9 3.7	0.9 2.2 6.3 12.0
								Jacketed Pairs O.D.: 0.114	2.90										
0.14 mm²	**YE00193**	1-Pair	1640	500	13.4	6.1					0.114	2.90					Burning Energy: –	Pulling Tension: –	
	BE46959	1-Pair	1640	500	24.3	11.0					0.154	3.90					283 kJ/m	85 N	
	BE46923	2-Pair	1640	500	102.1	46.3					0.331	8.40					913 kJ/m	150 N	
	BE46925	4-Pair	1640	500	134.5	61.0					0.374	9.50					1271 kJ/m	250 N	
	BE46935	8-Pair	1640	500	245.6	111.4					0.492	12.50					2023 kJ/m	400 N	
	BE46936	10-Pair	1640	500	278.0	126.1					0.524	13.30					2325 kJ/m	500 N	
	BE46937	12-Pair	1640	500	301.6	136.8					0.559	14.20					2644 kJ/m	600 N	
	BE46938	16-Pair	1640	500	392.9	178.2					0.630	16.00					3292 kJ/m	750 N	
	Color Code: White, Blue																		

Polyethylene Insulation • Overall Grey FRNC/LSNH Jacket with 26 AWG Tinned Copper Drain Wire

26 AWG • Stranded (18x0.1) 0.5 mm TC • Each Pair Individually **Tinned Copper Spiral Braid** • Numbered FRNC/LSNH Jackets • **Overall > 90% Tinned Copper Braid**

TC = Tinned Copper • DCR = DC resistance
† 7880A is designed to fit in 25-pin D-sub connectors used in digital console board equipment.

AES/EBU Digital Multi-Pair Snake Cables

SlimSnake™, Installation Cable, Halogen-Free
Individually Shielded and Jacketed Pairs

BRILLIANCE®

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/100 ft.	Nominal Attenuation dB/100 m
26 AWG • Stranded (7x0.16) 0.5 mm TC • Each Pair Individually **TC Spiral Braid** • Numbered PA Jackets • Overall > 90% TC Braid																			
Foam Polyethylene Insulation • Overall Purple Halogen-Free Jacket																			
100V RMS 70°C							0.5 mm 26 AWG (7x0.16) TC	0.043 Jacketed Pairs O.D.: 0.114	1.10 2.90	Individual Spiral Serve > 90% TC Braid + Overall Braid			110	60%	15.2	50.0	0.1 1.0 6.0 10.0	0.3 0.7 2.9 4.9	0.9 2.3 9.5 16.0
																			Pulling Tension:
0.14 mm²	**BE46273**	1-Pair	820 1640	250 500	5.7 11.2	2.6 5.1					0.110	2.80							–
	BE46202	1-Pair	820 1640	250 500	6.6 12.1	3.0 5.5					0.154	3.90							–
	BE46203	2-Pair	820 1640	250 500	42.1 84.2	19.1 38.2					0.319	8.10							150 N
	BE46204	4-Pair	820 1640	250 500	57.3 114.4	26.0 51.9					0.354	9.00							250 N
	BE46266	8-Pair	820 1640	250 500	85.8 171.5	38.9 77.8					0.406	10.30							400 N
	BE46208	10-Pair	820 1640	250 500	97.0 193.8	44.0 87.9					0.480	12.20							500 N
	BE46205	12-Pair	820 1640	250 500	124.1 248.2	56.3 112.6					0.504	12.80							600 N
	BE46207	16-Pair	820 1640	250 500	171.7 343.3	77.9 155.7					0.602	15.30							750 N
	Color Code: White, Blue																		

Beldfoil® High-Performance Cable, Low-Capacitance, Long-Runs
Individually Shielded and Jacketed Pairs

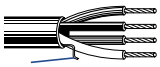
Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/100 ft.	Nominal Attenuation dB/100 m
24 AWG • Stranded (7x32) 0.6 mm High-Conductivity (Oxygen-Free) TC • Each Pair **Beldfoil®** Shielded • 24 AWG Tinned Copper Drain Wire • Numbered and Color Coded PVC Jackets • Overall **Beldfoil®** Shield • Rip Cord																			
Datalene® Insulation • Overall Matte Black PVC Jacket with 16 AWG Tinned Copper Drain Wire																			
300V RMS 60°C		NEC: CMG CEC: CMG FT4					0.61 mm 24 AWG (7x32) TC	0.068 Jacketed Pairs O.D.: 0.167	1.73 4.24	Individual Beldfoil® + Drain Wire (24 AWG TC) + Overall Beldfoil®			110	76%	12.0	39.4	2.0 4.0 5.0 6.0 12.0 25.0	1.3 1.6 1.7 1.8 2.3 3.1	4.3 5.1 5.6 5.9 7.5 10.1
Rip Cord																			Pulling Tension:
0.22 mm²	**1803F**	4-Pair	500 1000	152 305	57.5 107.0	26.1 48.5					0.488	12.39							367 N
	1805F	8-Pair	500 1000	152 305	106.5 211.0	48.3 95.7					0.661	16.79							609 N
	1806F	12-Pair	500 1000	152 305	160.0 330.0	72.6 149.7					0.829	21.06							890 N
	1850F	16-Pair	500 1000	152 305	208.0 407.0	94.3 184.6					0.944	23.98							1174 N
	1852F	24-Pair	500 1000	152 305	321.0 644.0	145.6 292.1					1.205	30.61							1779 N
	1854F	32-Pair	1000	305	841.0	381.5					1.346	34.19							2356 N
	Color Code: Red, Black																		

TC = Tinned Copper • DCR = DC resistance

Security and Alarm Cables

Commercial Applications Unshielded

NEW GENERATION®

Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Color Code
22 AWG • Stranded (7x30) 0.8 mm Bare Copper • Numbered and Color Coded • Rip Cord													
Polyethylene Insulation • Grey FRNC/LSNH Jacket													
300V 70°C		IEC 60754-2					0.76 mm 22 AWG (7x30) BC	0.049	1.25	Unshielded			see chart below
 Rip Cord													
	4500UE	2 CDR	328 1640	100 500	3.1 15.4	1.4 7.0					0.130	3.30	
	4501UE	3 CDR	328 1640	100 500	3.1 15.4	1.4 7.0					0.130	3.30	
	4502UE	4 CDR	328 1640	100 500	5.3 26.0	2.4 11.8					0.154	3.90	
	4504UE	6 CDR	328 1640	100 500	7.3 36.2	3.3 16.4					0.177	4.50	
	4506UE	8 CDR	328 1640	100 500	8.8 43.7	4.0 19.8					0.193	4.90	
	4509UE	12 CDR	328 1640	100 500	13.4 66.8	6.1 30.3					0.232	5.90	

BC = Bare Copper • DCR = DC resistance

Color Code

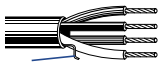
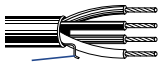
Cond. No.	Color
1	Black
2	Red
3	White
4	Green
5	Brown
6	Blue

Cond. No.	Color
7	Orange
8	Yellow
9	Purple
10	Grey
11	Pink
12	Tan

Security and Alarm Cables

Commercial Applications Unshielded

NEW GENERATION®

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Color Code
20 AWG • Stranded (7x28) 1.0 mm Bare Copper • Numbered and Color Coded PVC Jackets • Rip Cord													
PVC Insulation • Grey PVC Jacket													
300V 75°C		NEC: CMR CEC: CMF FT4					0.96 mm 20 AWG (7x28) BC	0.048	1.21	Unshielded			see chart below
 Rip Cord													
	5400UE	2 CDR	C-500 U-1000 1000	C-152 U-305 305	6.0 13.0 13.0	2.7 5.9 5.9					0.142	3.61	
	5401UE	3 CDR	500 U-1000 1000	152 U-305 305	9.0 18.1 18.1	4.1 8.2 8.2					0.150	3.81	
	5402UE	4 CDR	C-500 U-1000 1000	C-152 U-305 305	10.6 23.1 23.1	4.8 10.5 10.5					0.165	4.19	
	5403UE	5 CDR	U-1000 1000	U-305 305	26.9 28.0	12.2 12.7					0.181	4.60	
	5405UE	7 CDR	500 1000	152 305	19.0 40.1	8.6 18.2					0.198	5.03	
	5406UE	8 CDR	U-1000 1000	U-305 305	41.0 43.0	18.6 19.5					0.215	5.46	
	5407UE	9 CDR	1000	305	48.1	21.8					0.233	5.92	
	5408UE	10 CDR	1000	305	53.1	24.1					0.254	6.45	
	5409UE	12 CDR	1000	305	61.9	28.1					0.262	6.65	
	540BUE	20 CDR	1000	305	110.0	49.9					0.347	8.81	
Polyethylene Insulation • Grey FRNC/LSNH Jacket													
300V 75°C		IEC 60754-2					0.96 mm 20 AWG (7x28) BC	0.057	1.45	Unshielded			see chart below
 Rip Cord													
	4400UE	2 CDR	328 1640	100 500	3.7 18.7	1.7 8.5					0.142	3.60	
	4402UE	4 CDR	328 1640	100 500	6.4 31.7	2.9 14.4					0.165	4.20	

BC = Bare Copper • DCR = DC resistance

Color Code

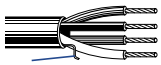
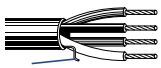
Cond. No.	Color
1	Black
2	Red
3	White
4	Green
5	Brown
6	Blue
7	Orange
8	Yellow
9	Purple
10	Grey

Cond. No.	Color
11	Pink
12	Tan
13	White/Black
14	White/Red
15	White/Green
16	White/Orange
17	White/Blue
18	White/Brown
19	White/Yellow
20	White/Purple

Security and Alarm Cables

Commercial Applications Unshielded

NEW GENERATION®

Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Color Code
18 AWG • Stranded (7x26) 1.2 mm Bare Copper • Numbered and Color Coded • Rip Cord													
Polyethylene Insulation • Grey FRNC/LSNH Jacket													
300V 70°C		IEC 60754-2					1.22 mm 18 AWG (7x26) BC	0.068	1.72	Unshielded			see chart below
 Rip Cord													
	4300UE	2 CDR	328 1640	100 500	6.0 29.3	2.7 13.3					0.161	4.10	
	4301UE	3 CDR	328 1640	100 500	7.7 38.4	3.5 17.4					0.161	4.10	
	4302UE	4 CDR	328 1640	100 500	10.1 50.7	4.6 23.0					0.189	4.80	
	4303UE	5 CDR	328 1640	100 500	12.1 60.4	5.5 27.4					0.209	5.30	
	4304UE	6 CDR	328 1640	100 500	15.0 74.5	6.8 33.8					0.224	5.70	
	4306UE	8 CDR	328 1640	100 500	18.5 92.6	8.4 42.0					0.248	6.30	
	4308UE	10 CDR	328 1640	100 500	22.9 114.9	10.4 52.1					0.295	7.50	
	4309UE	12 CDR	328 1640	100 500	27.1 135.8	12.3 61.6					0.315	8.00	
16 AWG • Stranded (19x29) 1.5 mm Bare Copper • Numbered and Color Coded • Rip Cord													
PVC Insulation • Grey PVC Jacket													
300V 75°C		NEC: CMR CEC: CMG FT4					1.47 mm 16 AWG (19x29) BC	0.068	1.72	Unshielded			see chart below
 Rip Cord													
	5200UE	2 CDR	C-500 U-500 500 U-1000 1000	C-152 U-152 152 U-305 305	11.5 13.0 12.6 24.0 25.1	5.2 5.9 5.7 10.9 11.4					0.184	4.67	
	5201UE	3 CDR	U-500 500 U-1000 1000	U-152 152 U-305 305	18.5 18.1 35.1 38.1	8.4 8.2 15.9 17.3					0.196	4.98	
	5202UE	4 CDR	U-500 500 U-1000 1000	U-152 152 U-305 305	23.6 22.9 45.0 47.0	10.7 10.4 20.4 21.3					0.216	5.49	
	5205UE	7 CDR	1000	305	77.2	35.0					0.261	6.63	

BC = Bare Copper • DCR = DC resistance

Color Code

Cond. No.	Color
1	Black
2	Red
3	White
4	Green

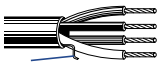
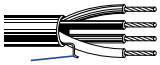
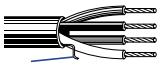
Cond. No.	Color
5	Brown
6	Blue
7	Orange
8	Yellow

Cond. No.	Color
9	Purple
10	Grey
11	Pink
12	Tan

Security and Alarm Cables

Commercial Applications Unshielded

NEW GENERATION®

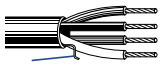
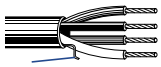
Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Color Code
16 AWG • Stranded (19x29) 1.5 mm Bare Copper • Numbered and Color Coded • Rip Cord													
Polyethylene Insulation • Grey FRNC/LSNH Jacket													
300V 70°C		IEC 60754-2					1.47 mm 16 AWG (19x29) BC	0.077	1.95	Unshielded			
 Rip Cord													
	4200UE	2 CDR	328 1640	100 500	7.5 37.3	3.4 16.9					0.185	4.70	Black, White
	4201UE	3 CDR	328 1640	100 500	9.9 49.8	4.5 22.6					0.197	5.00	Black, White, Red
	4202UE	4 CDR	328 1640	100 500	13.2 65.7	6.0 29.8					0.217	5.50	Black, White, Red, Green
14 AWG • Stranded (19x27) 1.9 mm Bare Copper • Numbered and Color Coded • Rip Cord													
Polyethylene Insulation • Grey PVC Jacket													
300V 75°C		NEC: CMR FPLR CL3R					1.85 mm 14 AWG (19x27) BC	0.087	2.21	Unshielded			
 Rip Cord													
	5100UE	2 CDR	500 U-1000 1000	152 U-305 305	20.1 37.9 40.1	9.1 17.2 18.2					0.234	5.94	Black, White
	Also available in Red for fire alarm (FPLR).												
	5101UE	3 CDR	1000	305	56.2	25.5					0.249	6.32	Black, White, Red
	5102UE	4 CDR	500 1000	152 305	38.6 73.2	17.5 33.2					0.276	7.01	Black, White, Red, Green
Polyethylene Insulation • Grey FRNC/LSNH Jacket													
300V 70°C		IEC 60754-2					1.85 mm 14 AWG (19x27) BC	0.099	2.52	Unshielded			
 Rip Cord													
	4100UE	2 CDR	328 1640	100 500	11.5 57.8	5.2 26.2					0.232	5.90	Black, White
	4101UE	3 CDR	328 1640	100 500	15.4 76.9	7.0 34.9					0.248	6.30	Black, White, Red
	4102UE	4 CDR	328 1640	100 500	20.5 103.0	9.3 46.7					0.276	7.00	Black, White, Red, Green

BC = Bare Copper • DCR = DC resistance

Security and Alarm Cables

Commercial Applications Unshielded

NEW GENERATION®

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Color Code
12 AWG • Stranded (19x25) 2.4 mm Bare Copper • Numbered and Color Coded • Rip Cord													
Polyethylene Insulation • Grey PVC Jacket													
300V 75°C		NEC: CL3R					2.36 mm 12 AWG (19x25) BC	0.107	2.72	Unshielded			
 Rip Cord													
	5000UE	2 CDR	500 1000	152 305	29.1 57.1	13.2 25.9					0.268	6.81	Black, White
	Also available in Red for fire alarm (FPLR).												
	5001UE	3 CDR	1000	305	82.2	37.3					0.286	7.26	Black, White, Red
Polyethylene Insulation • Grey FRNC/LSNH Jacket													
300V 75°C		IEC 60754-2					2.36 mm 12 AWG (19x25) BC	0.118	3.00	Unshielded			
 Rip Cord													
	4000UE	2 CDR	328 1640	100 500	16.5 83.1	7.5 37.7					0.268	6.80	Black, White
	4001UE	3 CDR	1640	500	375.2	170.2					0.287	7.30	Black, White, Red

BC = Bare Copper • DCR = DC resistance

Security and Alarm Cables

Commercial Applications Shielded

NEW GENERATION®

Description	Part No.	No. of Pairs	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD AWG	Nominal Conductor OD Section mm²	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Application

24 AWG • Stranded (7x0.193) 0.6 mm Bare Copper • Mylar® Tape • Overall Alufoil • Color Coded

Thermoplastic M9 Insulation • White FRNC/LSNH Jacket (Color Code: see chart below)

60/90V
70°C

Overall
Alufoil

- Cables for anti-theft installations
- Cables for detection of smokes and fires
- To be used in public areas
(like banks, hospitals, big stores, hotels, theaters)

LiH (St) H

SEC0027	1	328	100	41.9	19.0	(7x0.193) BC	24	0.22		0.157	4.00	
SEC0028	2	328	100	66.1	30.0	(7x0.193) BC	24	0.22		0.217	5.50	
SEC0029	3	328	100	83.8	38.0	(7x0.193) BC	24	0.22		0.228	5.80	
SEC0030	4	328	100	105.8	48.0	(7x0.193) BC	24	0.22		0.260	6.60	
SEC0031	5	328	100	132.3	60.0	(7x0.193) BC	24	0.22		0.295	7.50	
SEC0032	6	328	100	149.9	68.0	(7x0.193) BC	24	0.22		0.307	7.80	
SEC0033	7	328	100	169.8	77.0	(7x0.193) BC	24	0.22		0.319	8.10	
SEC0034	8	328	100	194.0	88.0	(7x0.193) BC	24	0.22		0.362	9.20	
SEC0035	10	328	100	231.5	105.0	(7x0.193) BC	24	0.22		0.382	9.70	
SEC0036	11	328	100	269.0	122.0	(7x0.193) BC	24	0.22		0.406	10.30	
SEC0037	1/1	328	100	158.7	72.0	(7x0.193) BC	24	0.22 + 0.50		0.264	6.70	
SEC0038	2/1	328	100	172.0	78.0	(7x0.193) BC	24	0.22 + 0.50		0.272	6.90	
SEC0039	3/1	328	100	97.0	44.0	(7x0.193) BC	24	0.22 + 0.50		0.205	5.20	
SEC0040	4/1	328	100	114.6	52.0	(7x0.193) BC	24	0.22 + 0.50		0.220	5.60	
SEC0041	5/1	328	100	132.3	60.0	(7x0.193) BC	24	0.22 + 0.50		0.244	6.20	
SEC0042	1/1	328	100	97.0	44.0	(7x0.193) BC	24	0.22 + 0.75		0.260	6.60	
SEC0043	2/1	328	100	119.0	54.0	(7x0.193) BC	24	0.22 + 0.75		0.283	7.20	
SEC0044	3/1	328	100	145.5	66.0	(7x0.193) BC	24	0.22 + 0.75		0.307	7.80	
SEC0045	4/1	328	100	158.7	72.0	(7x0.193) BC	24	0.22 + 0.75		0.323	8.20	
SEC0046	5/1	328	100	172.0	78.0	(7x0.193) BC	24	0.22 + 0.75		0.331	8.40	

BC = Bare Copper • DCR = DC resistance

Mylar® is a DuPont trademark.

Color Code

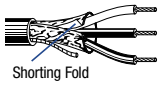
Pair No.	Color
1	Red, Black
2	White/Blue, Blue
3	White/Orange, Orange
4	White/Green, Green
5	White/Brown, Brown
6	White/Grey, Grey
7	Red/Blue, Blue
8	Red/Orange, Orange
9	Red/Green, Green
10	Red/Brown, Brown
11	Red/Grey, Grey

Pair No.	Color
12	Black/Blue, Blue
13	Black/Orange, Orange
14	Black/Green, Green
15	Black/Brown, Brown
16	Black/Grey, Grey
17	Violet/Blue, Blue
18	Violet/Orange, Orange
19	Violet/Green, Green
20	Violet/Brown, Brown
21	Violet/Grey, Grey

Security and Alarm Cables

Commercial Applications Shielded

NEW GENERATION®

Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm	
22 AWG • Stranded (7x30) 0.8 mm Bare Copper • **Beldfoil®** Shield • 24 AWG Tinned Copper Drain Wire • Numbered and Color Coded													
Polyethylene Insulation • Grey FRNC/LSNH Jacket													
300V 70°C		IEC 60754-2					0.76 mm 22 AWG (7x30) BC	0.049	1.25	Overall Beldfoil® + Drain Wire (24 AWG TC)			see chart below
 Shorting Fold													
	4500FE	2 CDR	328 1640	100 500	4.0 19.6	1.8 8.9					0.130	3.30	
	4501FE	3 CDR	328 1640	100 500	4.6 23.1	2.1 10.5					0.138	3.50	
	4502FE	4 CDR	328 1640	100 500	6.0 29.3	2.7 13.3					0.154	3.90	
	4504FE	6 CDR	328 1640	100 500	7.7 38.6	3.5 17.5					0.181	4.60	
	4506FE	8 CDR	328 1640	100 500	9.7 48.7	4.4 22.1					0.197	5.00	
	4508FE	10 CDR	U-500 1000	U-152 305	10.8 53.6	4.9 24.3					0.197	5.00	

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance

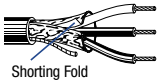
Color Code

Cond. No.	Color
1	Black
2	Red
3	White
4	Green
5	Brown
6	Blue
7	Orange
8	Yellow
9	Purple
10	Grey

Security and Alarm Cables

Commercial Applications Shielded

NEW GENERATION®

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Color Code
20 AWG • Stranded (7x28) 1.0 mm Bare Copper • **Beldfoil®** Shield • 24 AWG Tinned Copper Drain Wire • Numbered and Color Coded													
PVC Insulation • Grey PVC Jacket													
300V 75°C  Shorting Fold		NEC: CMR CEC: CMG FT4					0.96 mm 20 AWG (7x28) BC	0.048	1.21	Overall Beldfoil® + Drain Wire (24 AWG TC)			see chart below
	5400FE	2 CDR	C-500 U-500 500 U-1000 1000	C-152 U-152 152 U-305 305	7.9 9.0 8.6 15.9 15.9	3.6 4.1 3.9 7.2 7.2					0.145	3.68	
	5401FE	3 CDR	U-500 500 U-1000 1000	U-152 152 U-305 305	11.0 10.6 20.9 20.9	5.0 4.8 9.5 9.5					0.153	3.89	
	5402FE	4 CDR	C-500 U-500 500 U-1000 1000	C-152 U-152 152 U-305 305	11.9 12.6 13.0 24.9 26.0	5.4 5.7 5.9 11.3 11.8					0.168	4.27	
	5403FE	5 CDR	U-1000 1000	U-305 305	30.0 30.0	13.6 13.6					0.184	4.67	
	5405FE	7 CDR	U-1000 1000	U-305 305	39.0 40.1	17.7 18.2					0.201	5.11	
	5407FE	9 CDR	1000	305	51.1	23.2					0.236	5.99	
Polyethylene Insulation • Grey FRNC/LSNH Jacket													
300V 70°C  Shorting Fold		IEC 60754-2					0.96 mm 20 AWG (7x28) BC	0.057	1.45	Overall Beldfoil® + Drain Wire (24 AWG TC)			see chart below
	4400FE	2 CDR	328 1640	100 500	4.6 23.6	2.1 10.7					0.146	3.70	
	4401FE	3 CDR	328 1640	100 500	6.0 30.0	2.7 13.6					0.154	3.90	
	4402FE	4 CDR	328 1640	100 500	7.5 37.9	3.4 17.2					0.169	4.30	
	4403FE	5 CDR	328 1640	100 500	4.6 23.6	2.1 10.7					0.185	4.70	

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance

Color Code

Cond. No.	Color
1	Black
2	Red
3	White
4	Green
5	Brown

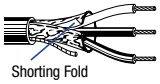
Color Code

Cond. No.	Color
6	Blue
7	Orange
8	Yellow
9	Purple

Security and Alarm Cables

Commercial Applications Shielded

NEW GENERATION®

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Color Code
18 AWG • Stranded (7x26) 1.2 mm Bare Copper • **Beldfoil®** Shield • 24 AWG Tinned Copper Drain Wire • Numbered and Color Coded													
Polyethylene Insulation • Grey FRNC/LSNH Jacket													
300V 70°C		IEC 60754-2					1.22 mm 18 AWG (7x26) BC	0.068	1.72	Overall Beldfoil® + Drain Wire (24 AWG TC)			see chart below
 Shorting Fold													
	4300FE	2 CDR	328 1640	100 500	7.1 35.5	3.2 16.1					0.165	4.20	
	4301FE	3 CDR	328 1640	100 500	9.3 45.9	4.2 20.8					0.177	4.50	
	4302FE	4 CDR	328 1640	100 500	11.7 58.2	5.3 26.4					0.193	4.90	
	4303FE	5 CDR	328 1640	100 500	12.8 63.7	5.8 28.9					0.193	4.90	
	4304FE	6 CDR	328 1640	100 500	16.5 82.7	7.5 37.5					0.228	5.80	
	4306FE	8 CDR	328 1640	100 500	20.5 102.7	9.3 46.6					0.272	6.90	
	4307FE	9 CDR	328 1640	100 500	22.0 110.2	10.0 50.0					0.283	7.20	

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance

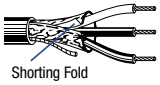
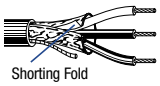
Color Code

Cond. No.	Color
1	Black
2	Red
3	White
4	Green
5	Brown
6	Blue
7	Orange
8	Yellow
9	Purple

Security and Alarm Cables

Commercial Applications Shielded

NEW GENERATION®

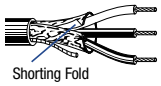
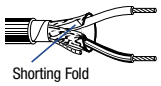
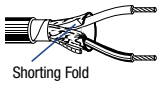
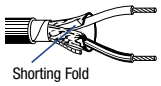
Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Color Code
16 AWG • Stranded (19x29) 1.5 mm Bare Copper • **Beldfoil®** Shield • 18 AWG Tinned Copper Drain Wire • Numbered and Color Coded													
PVC Insulation • Grey PVC Jacket													
300V 75°C  Shorting Fold		NEC: CMR CEC: CMG FT4					1.47 mm 16 AWG (19x29) BC	0.068	1.72	Overall Beldfoil® + Drain Wire (18 AWG TC)			
	5200FE	2 CDR	U-500 500 U-1000 1000	U-152 152 U-305 305	16.5 16.5 31.1 32.0	7.5 7.5 14.1 14.5					0.188	4.78	Black, Red
	Also available in White.												
	5201FE	3 CDR	500 U-1000 1000	152 U-305 305	21.6 43.0 42.1	9.8 19.5 19.1					0.200	5.08	Black, Red, White
	5202FE	4 CDR	500 1000	152 305	26.5 54.0	12.0 24.5					0.220	5.59	Black, Red, White, Green
Polyethylene Insulation • Grey FRNC/LSNH Jacket													
300V 70°C  Shorting Fold 1.23 mm²		IEC 60754-2					1.47 mm 16 AWG (19x29) BC	0.077	1.95	Overall Beldfoil® + Drain Wire (18 AWG TC)			
	4200FE	2 CDR	328 1640	100 500	9.7 48.1	4.4 21.8					0.189	4.80	Black, Red
	4201FE	3 CDR	328 1640	100 500	11.9 59.5	5.4 27.0					0.201	5.10	Black, Red, White
	4202FE	4 CDR	328 1640	100 500	15.2 75.8	6.9 34.4					0.220	5.60	Black, Red, White, Green

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance

Security and Alarm Cables

Commercial Applications Shielded

NEW GENERATION®

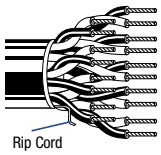
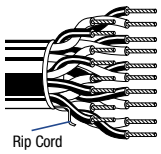
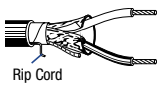
Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Color Code
14 AWG • Stranded (19x27) 1.9 mm Bare Copper • **Beldfoil®** Shield • 16 AWG Tinned Copper Drain Wire													
PVC Insulation • Grey PVC Jacket													
300V 75°C		NEC: CL3R					1.85 mm 14 AWG (19x27) BC	0.087	2.21	Overall Beldfoil® + Drain Wire (16 AWG TC)			
 Shorting Fold													
	5100FE	2 CDR	500 U-1000 1000	152 U-305 305	28.4 48.9 51.1	12.9 22.2 23.2					0.238	6.05	Black, White
	5101FE	3 CDR	1000	305	66.1	30.0					0.253	6.43	Black, White, Red
Polyethylene Insulation • Grey FRNC/LSNH Jacket													
300V 70°C	**4100FE**	IEC 60754-2	328 1640	100 500	14.3 71.6	6.5 32.5	1.85 mm 14 AWG (19x27) BC	0.099	2.52	Overall Beldfoil® + Drain Wire (16 AWG TC)	0.240	6.10	Black, White
 Shorting Fold													
2 CDR													
12 AWG • Stranded (19x25) 2.4 mm Bare Copper • **Beldfoil®** Shield • 16 AWG Tinned Copper Drain Wire													
PVC Insulation • Grey PVC Jacket													
300V 75°C	**5000FE**	NEC: CL3R	500 1000	152 305	36.6 67.2	16.6 30.5	2.36 mm 12 AWG (19x25) BC	0.107	2.72	Overall Beldfoil® + Drain Wire (16 AWG TC)	0.272	6.91	Black, White
 Shorting Fold													
2 CDR													
Polyethylene Insulation • Grey FRNC/LSNH Jacket													
300V 70°C	**4000FE**	IEC 60754-2	328 1640	100 500	19.2 95.7	8.7 43.4	2.36 mm 12 AWG (19x25) BC	0.118	3.00	Overall Beldfoil® + Drain Wire (16 AWG TC)	0.272	6.90	Black, White
 Shorting Fold													
2 CDR													

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance

Security and Alarm Cables

Commercial Applications Unshielded Twisted Pairs

NEW GENERATION®

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Color Code
22 AWG • Stranded (7x30) 0.8 mm Bare Copper • Twisted Pair • Numbered and Color Coded • Rip Cord													
PVC Insulation • Grey PVC Jacket													
300V 75°C		NEC: CMR CEC: CM FT4					0.76 mm 22 AWG (7x30) BC	0.040	1.01	Unshielded			see chart below
 Rip Cord													
	5541UE	2-Pair	U-1000 1000	U-305 305	18.1 19.0	8.2 8.6					0.206	5.23	
	5542UE	3-Pair	U-500 U-1000 1000	U-152 U-305 305	13.0 24.0 25.1	5.9 10.9 11.4					0.220	5.59	
	5543UE	4-Pair	U-1000 1000	U-305 305	32.0 32.0	14.5 14.5					0.243	6.17	
	5547UE	9-Pair	1000	305	70.1	31.8					0.334	8.48	
18 AWG • Stranded (7x26) 1.2 mm Bare Copper • Twisted Pair • Numbered and Color Coded • Rip Cord													
PVC Insulation • Grey PVC Jacket													
300V 75°C		NEC: CMR CEC: CM FT4					1.22 mm 18 AWG (7x26) BC	0.058	1.47	Unshielded			see chart below
 Rip Cord													
	5341UE	2-Pair	U-1000 1000	U-305 305	34.0 36.2	15.4 16.4					0.266	6.76	
	5342UE	3-Pair	U-1000 1000	U-305 305	48.1 50.0	21.8 22.7					0.283	7.19	
	5343UE	4-Pair	1000	305	67.2	30.5					0.320	8.13	
	5345UE	6-Pair	1000	305	96.1	43.6					0.362	9.19	
	5347UE	9-Pair	1000	305	140.2	63.6					0.434	11.02	
Polyethylene Insulation • Grey FRNC/LSNH Jacket													
300V 75°C	**4341UE**	IEC 60754-2	328 1640	100 500	10.6 53.1	4.8 24.1	1.22 mm 18 AWG (7x26) BC	0.058	1.47	Unshielded	0.264	6.70	see chart below
 Rip Cord													
2-Pair													

BC = Bare Copper • DCR = DC resistance

Color Code

Pair No.	Color
1	Black, Red
2	Black, White
3	Black, Green

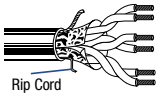
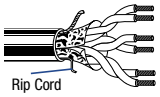
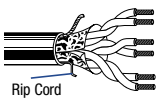
Pair No.	Color
4	Black, Blue
5	Black, Yellow
6	Black, Brown

Pair No.	Color
7	Black, Orange
8	Black, White
9	Black, Green

Security and Alarm Cables

Commercial Applications Shielded Twisted Pairs

NEW GENERATION®

Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Color Code
22 AWG • Stranded (7x30) 0.8 mm BC • Twisted Pair • **Beldfoil®** Shield • 24 AWG TC Drain Wire • Numbered and Color Coded • Rip Cord													
PVC Insulation • Grey PVC Jacket													
300V 75°C		NEC: CMR CEC: CM FT4					0.76 mm 22 AWG (7x30) BC	0.040	1.01	Overall Beldfoil® + Drain Wire (24 AWG TC)			see chart below
 Rip Cord													
	5541FE	2-Pair	U-500 U-1000 1000	U-152 U-305 305	11.5 20.9 22.9	5.2 9.5 10.4					0.209	5.31	
	5542FE	3-Pair	U-1000 1000	U-305 305	27.1 29.1	12.3 13.2					0.223	5.66	
	5543FE	4-Pair	1000	305	34.0	15.4					0.246	6.25	
	5545FE	6-Pair	U-1000 1000	U-305 305	46.1 48.1	20.9 21.8					0.278	7.06	
Polyethylene Insulation • Grey FRNC/LSNH Jacket													
300V 70°C							0.76 mm 22 AWG (7x30) BC	0.049	1.25	Overall Beldfoil® + Drain Wire (24 AWG TC)			see chart below
 Rip Cord													
	4541FE	2-Pair	328 1640	100 500	6.2 31.5	2.8 14.3					0.209	5.30	
	4542FE	3-Pair	328 1640	100 500	7.7 39.0	3.5 17.7					0.224	5.70	
	4545FE	6-Pair	328 1640	100 500	13.9 69.4	6.3 31.5					0.280	7.10	
20 AWG • Stranded (7x28) 1.0 mm BC • Twisted Pair • **Beldfoil®** Shield • 24 AWG TC Drain Wire • Numbered and Color Coded • Rip Cord													
PVC Insulation • Grey PVC Jacket													
300V 75°C		NEC: CMR CEC: CM FT4					0.96 mm 20 AWG (7x28) BC	0.048	1.21	Overall Beldfoil® + Drain Wire (24 AWG TC)			see chart below
 Rip Cord													
	5441FE	2-Pair	500 U-1000 1000	152 U-305 305	15.0 29.1 29.1	6.8 13.2 13.2					0.235	5.97	
	5442FE	3-Pair	U-1000 1000	U-305 305	37.9 37.9	17.2 17.2					0.252	6.40	
	5445FE	6-Pair	1000	305	72.1	32.7					0.323	8.20	

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance

Color Code

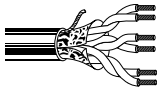
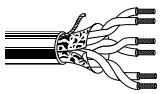
Pair No.	Color
1	Black, Red
2	Black, White
3	Black, Green

Pair No.	Color
4	Black, Blue
5	Black, Yellow
6	Black, Brown

Security and Alarm Cables

Commercial Applications Shielded Twisted Pairs

NEW GENERATION®

Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Color Code
20 AWG • Stranded (7x28) 1.0 mm BC • Twisted Pair • **Beldfoil®** Shield • 24 AWG Tinned Copper Drain Wire • Numbered and Color Coded													
Polyethylene Insulation • Grey FRNC/LSNH Jacket													
300V 70°C		IEC 60754-2					0.96 mm 20 AWG (7x28) BC	0.057	1.45	Overall Beldfoil® + Drain Wire (24 AWG TC)			see chart below
													
	4441FE	2-Pair	328 1640	100 500	7.7 39.0	3.5 17.7					0.236	6.00	
	4445FE	6-Pair	328 1640	100 500	18.7 93.3	8.5 42.3					0.323	8.20	
18 AWG • Stranded (7x26) 1.2 mm BC • Twisted Pair • **Beldfoil®** Shield • 24 AWG Tinned Copper Drain Wire • Numbered and Color Coded													
PVC Insulation • Overall Grey PVC Jacket													
300V 75°C		NEC: CMR CEC: CM FT4					1.22 mm 18 AWG (7x26) BC	0.058	1.47	Overall Beldfoil® + Drain Wire (24 AWG TC)			see chart below
													
	5341FE	2-Pair	500 U-1000 1000	152 U-305 305	20.9 39.9 42.1	9.5 18.1 19.1					0.270	6.86	
	5342FE	3-Pair	1000	305	52.0	23.6					0.275	6.99	
	5343FE	4-Pair	1000	305	70.1	31.8					0.318	8.08	
	5345FE	6-Pair	500 1000	152 305	52.7 103.2	23.9 46.8					0.373	9.47	
Polyethylene Insulation • Grey FRNC/LSNH Jacket													
300V 70°C		IEC 60754-2					1.22 mm 18 AWG (7x26) BC	0.068	1.72	Overall Beldfoil® + Drain Wire (24 AWG TC)			see chart below
													
	4341FE	2-Pair	328 1640	100 500	13.7 68.6	6.2 31.1					0.264	6.70	
	4342FE	3-Pair	1640	500	82.0	37.2					0.276	7.00	
	4343FE	4-Pair	1640	500	103.0	46.7					0.319	8.10	
	4345FE	6-Pair	1640	500	161.6	73.3					0.374	9.50	

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance

Color Code

Pair No.	Color
1	Black, Red
2	Black, White
3	Black, Green

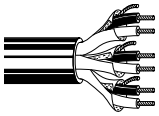
Pair No.	Color
4	Black, Blue
5	Black, Yellow
6	Black, Brown

Security and Alarm Cables

Commercial Applications Individually Shielded Twisted Pairs

NEW GENERATION®

Description	Part No.	UL NEC / C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm	
22 AWG • Stranded (7x30) 0.8 mm BC • Twisted Pair • Each Pair **Beldfoil®** Shielded • 24 AWG TC Drain Wire • Numbered and Color Coded													
PVC Insulation • Grey PVC Jacket													
300V 75°C	**5543PE**	NEC: CMR CEC: CMG FT4	1000	305	55.1	25.0	0.76 mm 22 AWG (7x30) BC	0.040	1.01	Individual Beldfoil® + Drain Wire (24 AWG TC)	0.303	7.70	see chart below



4-Pair

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance

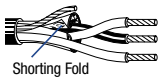
Color Code

Pair No.	Color
1	Black, Red
2	Black, White
3	Black, Green
4	Black, Blue

Security and Alarm Cables

Commercial Applications, Individually Shielded Twisted Pairs plus Conductors

NEW GENERATION®

Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Color Code
22 AWG • Stranded (7x30) 0.8 mm BC • Twisted Pair • Each Pair **Beldfoil®** Shielded • 24 AWG TC Drain Wire • With Additional Conductor(s) • Numbered and Color Coded													
PVC Insulation • Grey PVC Jacket													
300V 75°C		NEC: CMR CEC: CMG FT4					0.76 mm 22 AWG (7x30) BC	0.040	1.01	Individual Beldfoil® + Drain Wire (24 AWG TC)			
 Shorting Fold													
	5501GE	1 STP +1/C	U-1000	U-305	16.1	7.3					0.171	4.34	Black & Red (shielded pair), White
	5502GE	1 STP +2/C	U-500 U-1000 1000	U-152 U-305 305	9.9 19.0 19.0	4.5 8.6 8.6					0.186	4.72	Black & Red (shielded pair), White, Green
	5542GE	1 STP +2/TP	U-1000	U-305	26.0	11.8					0.220	5.59	Black & Red (shielded pair), Black & Red, Black & Green pairs
Polyethylene Insulation • Grey FRNC/LSNH Jacket													
300V 70°C	**4502GE**	IEC 60754-2	328 1640	100 500	6.0 30.0	2.7 13.6	0.76 mm 22 AWG (7x30) BC	0.049	1.25	Individual Beldfoil® + Drain Wire (24 AWG TC)	0.185	4.70	Black & Red (shielded pair), White, Green
 Shorting Fold													
1 STP + 2/C													
20 AWG • Stranded (7x28) 1.0 mm BC • Twisted Pair • Each Pair **Beldfoil®** Shielded • 24 AWG TC Drain Wire • With Additional Conductor(s) • Numbered and Color Coded													
PVC Insulation • Grey PVC Jacket													
300V 75°C		NEC: CMR CEC: CMG FT4					0.96 mm 20 AWG (7x28) BC	0.042	1.06	Individual Beldfoil® + Drain Wire (24 AWG TC)			
 Shorting Fold													
	5401GE	1 STP +1/C	1000	305	22.9	10.4					0.196	4.98	Black & Red (shielded pair), White
	5402GE	1 STP +2/C	U-1000	U-305	26.0	11.8					0.200	5.08	Black & Red (shielded pair), White, Green
18 AWG • Stranded (7x26) 1.2 mm BC • Twisted Pair • Each Pair **Beldfoil®** Shielded • 24 AWG TC Drain Wire • With Additional Conductor(s) • Numbered and Color Coded													
PVC Insulation • Grey PVC Jacket													
300V 70°C	**5302GE**	NEC: CMR CEC: CMG FT4	1000	305	31.5	14.3	1.22 mm 18 AWG (7x26) BC	0.058	1.47	Individual Beldfoil® + Drain Wire (24 AWG TC)	0.225	5.72	Black & Red (shielded pair), White
 Shorting Fold													
1 STP + 2/C													

TC = Tinned Copper • BC = Bare Copper • STP = Shielded Twisted Pair(s) • /C = Conductor(s) • DCR = DC resistance

Security Coaxial Cables

Surveillance and CCTV Applications

NEW GENERATION®

Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. ( )	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 ft.	Nominal Attenuation dB/ 100 m
H109A • Solid 1.0 mm Bare Copper • **Copper-foil** • 55% Bare Copper Braid																			
5-Cell Gas-Injected Polyethylene Insulation • Black PVC Jacket																			
80°C	**H109A00**		820	250	10.4	4.7	1.0 mm	0.185	4.70	Cu-foil	0.262	6.65	75	80%	17.1	56.0	5	0.5	1.6
			1640	500	26.0	11.8	Solid BC			+ 55% BC							50	1.4	4.6
							41.0 /km*			Braid							100	2.0	6.5
							26.0 /km**			15.0 /km***							230	3.0	9.8
										5.2 mm							400	4.5	14.8
																	800	5.9	19.2
																	860	5.9	19.5
1.0/4.8		Return loss at 5-470 MHz: 23 dB 470-862 MHz: 20 dB 862-2150 MHz: 18 dB								Screening attenuation at 30-1000 MHz: 75 dB Transfer impedance at 5-30 MHz: 15.0 m /m Pulling Tension: 55 N							1000	6.6	21.5
H125A • Solid 1.0 mm Bare Copper • **Duofoil®** • 40% Tinned Copper Braid																			
Gas-Injected Polyethylene Insulation • PVC Jacket (Brown, Black and White)																			
80°C	**H125A00**		328	100	10.4	4.7	1.0 mm	0.189	4.80	Duofoil®	0.268	6.80	75	81%	16.8	55.0	5	0.5	1.8
			820	250	26.0	11.8	Solid BC			+ 40% TC							50	1.4	4.7
			1640	500	51.8	23.5	50.0 /km*			Braid							100	2.0	6.5
							23.0 /km**			27.0 /km***							230	3.0	9.8
																	400	3.9	12.9
																	800	5.7	18.6
																	860	5.9	19.3
1.0/4.8		Return loss at 5-470 MHz: 23 dB 470-862 MHz: 20 dB 862-2150 MHz: 18 dB								Screening attenuation at 30-1000 MHz: 75 dB Transfer impedance at 5-30 MHz: 40.0 m /m Pulling Tension: 55 N							1000	6.4	20.9
H121A • Solid 0.8 mm Bare Copper • **Duofoil®** • 40% Tinned Copper Braid																			
Gas-Injected Polyethylene Insulation • PVC Jacket (Brown, Black and White)																			
80°C	**H121A00**		328	100	15.1	6.9	0.8 mm	0.138	3.50	Duofoil®	0.197	5.00	75	82%	16.5	54.0	5	0.5	1.7
			820	250	37.9	17.2	Solid BC			+ 40% TC							50	1.8	5.9
			1640	500	75.7	34.4	75.0 /km*			Braid							100	2.0	8.1
							35.0 /km**			40.0 /km***							230	3.7	12.1
										4.1 mm							400	4.8	15.9
																	800	6.9	22.7
																	860	7.2	23.6
1.0/4.8		Return loss at 5-470 MHz: 20 dB 470-862 MHz: 18 dB 862-2150 MHz: 16 dB								Screening attenuation at 30-1000 MHz: 75 dB Transfer impedance at 5-30 MHz: 40.0 m /m Pulling Tension: 55 N							1000	7.8	25.6

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • TC = Tinned Copper • BC = Bare Copper

Duofoil® see technical information page 23.13.

Security Coaxial Cables

Surveillance and CCTV Applications
Shielded or Flooded for Use in Underground Ducts

NEW GENERATION®

Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. ( )	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 ft.	Nominal Attenuation dB/ 100 m
25 AWG • Solid 0.5 mm Bare Copper • 94 % Bare Copper Braid																			
Gas-Injected Foam PE Insulation • PVC Jacket (Brown, Red, Yellow, Green, Blue, White and Black)																			
75°C	**573945**	NEC:	U-1000	U-305	15.0	6.8	0.46 mm	0.085	2.16	94% BC	0.146	3.71	75	80%	16.9	55.4	1	0.5	1.5
		CM	1000	305	14.1	6.4	25 AWG			Braid							5	0.9	3.0
		CEC:					Solid BC			18.4 /km***							10	2.0	4.3
		CM FT1					101.7 /km*										50	3.0	9.8
							83.3 /km**										100	4.1	13.5
																	200	6.0	19.7
Mini RG-59																	400	8.6	28.2
																	700	11.6	38.1
			Nominal Delay: 4.167 ns/m							Pulling Tension: 125 N							900	13.5	44.3
																	1000	14.5	47.6
Gas-Injected Foam PE Insulation • Grey FRNC/LSNH Jacket																			
70°C	**473945**	IEC	328	100	4.6	2.1	0.46 mm	0.085	2.16	95% BC	0.146	3.70	75	80%	16.9	55.4			see above
		60754-2	1640	500	23.1	10.5	25 AWG			Braid									
							Solid BC			18.4 /km***									
							101.7 /km*												
							83.3 /km**												
Mini RG-59																			
			Nominal Delay: 4.167 ns/m							Pulling Tension: 125 N									
22 AWG • Stranded (7x30) 0.8 mm Bare Copper • 95 % Bare Copper Braid																			
Gas-Injected Foam PE Insulation • Black PVC Jacket																			
75°C	**551945**	NEC:	U-1000	U-305	33.1	15.0	0.76 mm	0.140	3.56	95% BC	0.232	5.89	75	78%	17.3	56.8	1	0.3	1.0
		CM	1000	305	30.0	13.6	22 AWG			Braid							10	0.9	3.0
		CEC:					(7x30) BC			8.5 /km***							50	2.1	6.9
		CM FT1					49.2 /km*										100	3.0	9.8
							40.7 /km**										200	4.5	14.8
																	400	6.6	21.7
RG-59																	700	8.9	29.2
			Nominal Delay: 4.265 ns/m							Pulling Tension: 218 N							900	10.1	33.1
																	1000	10.9	35.8
Gas-Injected Foam PE Insulation • Grey FRNC/LSNH Jacket																			
70°C	**451945**	IEC	328	100	8.2	3.7	0.76 mm	0.140	3.56	95% BC	0.232	5.90	75	78%	17.3	56.8			see above
		60754-2	1640	500	41.2	18.7	22 AWG			Braid									
							(7x30) BC			8.5 /km***									
							49.2 /km*												
							40.7 /km**												
RG-59																			
			Nominal Delay: 4.265 ns/m							Pulling Tension: 218 N									
20 AWG • Solid 0.8 mm Bare Copper • 95 % Bare Copper Braid																			
Gas-Injected Foam PE Insulation • PVC Jacket (White or Black)																			
75°C	**543945**	NEC:	U-500	U-152	12.6	5.7	0.81 mm	0.145	3.68	95% BC	0.232	5.89	75	83%	16.3	53.5	1	0.3	1.0
		CM	500	152	13.2	6.0	20 AWG			Braid							5	0.7	2.1
		CEC:	U-1000	U-305	24.9	11.3	Solid BC			11.4 /km***							10	2.0	3.0
		CM FT1	1000	305	31.1	14.1	32.8 /km*										50	1.9	6.2
							21.4 /km**										100	2.6	8.5
																	200	3.6	11.8
RG-59																	400	5.0	16.4
																	700	7.0	23.0
			Nominal Delay: 3.97 ns/m							Pulling Tension: 218 N							900	8.0	26.2
																	1000	8.5	27.9

*DC loop resistance • **DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper

Security Coaxial Cables

Surveillance and CCTV Applications
Shielded or Flooded for Use in Underground Ducts

NEW GENERATION®

Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. ( )	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 ft.	Nominal Attenuation dB/ 100 m
20 AWG • Solid 0.8 mm Bare Copper • 95% Bare Copper Braid																			
Gas-Injected Foam PE Insulation • Grey FRNC/LSNH Jacket																			
70°C	**443945**	IEC 60754-2	328 1640	100 500	10.6 52.5	4.8 23.8	0.81 mm 20 AWG Solid BC 32.8 /km* 21.4 /km**	0.145	3.68	95% BC Braid 11.4 /km***	0.232	5.90	75	83%	16.3	53.5	1 5 10 50 100 200 400 700 900 1000	0.3 0.7 2.0 1.9 2.6 3.6 5.0 7.0 8.0 8.5	1.0 2.1 3.0 6.2 8.5 11.8 16.4 23.0 26.2 27.9
 RG-59			Nominal Delay: 3.97 ns/m							Pulling Tension: 218 N									
18 AWG • Solid 1.0 mm Bare Copper • 95% Bare Copper Braid																			
Foam PE Insulation • PVC Jacket (White or Black)																			
75°C	**533945**	NEC: CM CEC: CM FT1	500 U-1000 1000	152 U-305 305	20.9 39.9 41.0	9.5 18.1 18.6	1.02 mm 18 AWG Solid BC 20.9 /km* 10.8 /km**	0.180	4.57	95% BC Braid 10.1 /km***	0.266	6.76	75	83%	16.3	53.5	1 5 10 50 100 200 400 700 900 1000	0.2 0.5 2.0 1.5 2.1 3.0 4.3 5.8 6.7 7.1	0.7 1.5 2.1 4.8 6.9 9.8 14.1 19.0 22.0 23.3
 RG-6			Nominal Delay: 4.003 ns/m							Pulling Tension: 507 N									
Gas-Injected Foam PE Insulation • Grey FRNC/LSNH Jacket																			
70°C	**433945**	IEC 60754-2	328 1640	100 500	13.4 67.2	6.1 30.5	1.02 mm 18 AWG Solid BC 20.9 /km* 10.8 /km**	0.180	4.57	95% BC Braid 10.1 /km***	0.266	6.75	75	83%	16.3	53.5			see above
 RG-6			Nominal Delay: 4.003 ns/m							Pulling Tension: 507 N									
14 AWG • Solid 1.6 mm Bare Copper • 95% Bare Copper Braid																			
Gas-Injected Foam PE Insulation • Black PVC Jacket																			
75°C	**513945**	NEC: CM CEC: CM FT1	500 1000	152 305	52.5 98.1	23.8 44.5	1.63 mm 14 AWG Solid BC 8.5 /km* 4.6 /km**	0.280	7.11	95% BC Braid 3.9 /km***	0.405	10.29	75	84%	16.1	52.8	1 10 50 100 200 400 700 900 1000	0.2 0.4 0.9 1.3 1.9 2.9 4.1 4.8 5.2	0.6 1.1 3.0 4.3 6.2 9.5 13.5 15.7 17.1
 RG-11			Nominal Delay: 3.97 ns/m							Pulling Tension: 640 N									
Gas-Injected Foam PE Insulation • Grey FRNC/LSNH Jacket																			
70°C	**413945**	IEC 60754-2	500 1640	152 500	100.0 159.4	14.5 72.3	1.63 mm 14 AWG Solid BC 8.5 /km* 4.6 /km**	0.280	7.11	95% BC Braid 3.9 /km***	0.406	10.30	75	84%	16.1	52.8			see above
 RG-11			Nominal Delay: 3.97 ns/m							Pulling Tension: 640 N									

*DC loop resistance • **DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper

Security Coaxial Cables

Water-Blocked for Use in Underground Ducts

NEW GENERATION®

Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. ( )	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100 m
20 AWG • Solid 0.8 mm Bare Copper • **Duobond® II** • 95 % Tinned Copper Braid • **CoreGuard®**																			
Gas-Injected Foam PE Insulation • Black UV-Resistant PVC Jacket																			
75°C	**5439W5**	NEC:	U-500	U-152	17.4	7.9	0.81 mm	0.145	3.68	Duobond® II	0.236	5.99	75	83 %	16.3	53.5	1	0.3	1.0
		CM	500	152	17.4	7.9	20 AWG			+ 95 % TC							5	0.6	2.1
		CEC:	U-1000	U-305	34.0	15.4	Solid BC			Braid							10	2.0	2.9
		CM FT1	1000	305	34.0	15.4	32.8 /km*			8.2 /km***							50	1.7	5.6
							24.6 /km**										100	2.3	7.5
																	200	3.4	11.2
CoreGuard®																	400	4.7	15.4
																	700	6.3	20.7
RG-59			Nominal Delay: 3.97 ns/m							Pulling Tension: 253 N							900	7.3	24.0
																	1000	7.8	25.6
18 AWG • Solid 1.0 mm Bare Copper • **Duofoil®** • 60 % Aluminum Braid • **CoreGuard®**																			
Gas-Injected Foam PE Insulation • Black UV-Resistant PVC Jacket																			
75°C	**5339W5**	NEC:	U-500	U-152	15.4	7.0	1.02 mm	0.180	4.57	Duofoil®	0.270	6.86	75	83 %	16.3	53.5	4	0.6	2.0
		CM	500	152	15.4	7.0	18 AWG			+ 60 % AL							30	1.3	4.4
		CEC:	U-1000	U-305	30.0	13.6	Solid BC			Braid							211	2.0	10.1
		CM FT1	1000	305	30.0	13.6	20.9 /km*			10.1 /km***							270	3.5	11.5
							10.8 /km**										300	3.7	12.1
																	330	3.9	12.8
CoreGuard®																	400	4.3	14.1
																	450	4.6	15.0
RG-6																	550	5.1	16.7
			Nominal Delay: 3.97 ns/m							Pulling Tension: 302 N							750	6.0	19.7
																	870	6.5	21.3
																	1000	7.0	23.0

*DC loop resistance • **DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • TC = Tinned Copper • BC = Bare Copper • AL = Aluminum

Duofoil® and Duobond® II see technical information page 23.13.

Security Coaxial Cables

CATV and MATV Applications Commercial or Schlage Systems

NEW GENERATION®

Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. ( )	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 ft.	Nominal Attenuation dB/ 100 m
18 AWG • Solid 1.0 mm Bare Copper • **Duofoil®** • 60 % Aluminum Braid																			
Gas-Injected Foam PE Insulation • PVC Jacket (White or Black)																			
75°C	**5339B5**	NEC:	U-500	U-152	17.4	7.9	1.02 mm	0.180	4.57	Duofoil®	0.266	6.76	75	83%	16.3	53.5	5	0.8	2.7
		CM	500	152	15.4	7.0	18 AWG			+ 60% AL							55	1.6	5.3
		CEC:	U-1000	U-305	34.0	15.4	Solid BC			Braid							211	2.0	10.1
		CM FT1	1000	305	35.1	15.9	20.9 /km*			10.1 /km***							270	3.5	11.5
							10.8 /km**										300	3.7	12.1
																	330	3.9	12.8
Series 6 RG-6																	400	4.3	14.1
																	450	4.6	15.0
																	550	5.1	16.7
			Also available in White.							Nominal Delay: 3.97 ns/m							750	6.0	19.7
										Pulling Tension: 302 N							870	6.5	21.3
																	1000	7.0	23.0
Gas-Injected Foam PE Insulation • Grey FRNC/LSNH Jacket																			
70°C	**4339B5**	IEC	328	100	11.9	5.4	1.02 mm	0.180	4.57	Duofoil®	0.272	6.90	75	83%	16.3	53.5			see above
		60754-2	1640	500	59.3	26.9	18 AWG			+ 63% BC									
		IEC 332-1					Solid BC			Braid									
							20.9 /km*			10.1 /km***									
							10.8 /km**												
Series 6 RG-6																			
										Nominal Delay: 3.97 ns/m									
										Pulling Tension: 302 N									
18 AWG • Solid 1.0 mm Bare Copper • **Quad Shield**																			
Gas-Injected Foam PE Insulation • PVC Jacket (White or Black)																			
75°C	**5339Q5**	NEC:	500	152	19.0	8.6	1.02 mm	0.180	4.57	Duofoil®	0.298	7.57	75	83%	16.3	53.5			see above
		CM	U-1000	U-305	35.9	16.3	18 AWG			+ 60% AL									
		CEC:	1000	305	35.9	16.3	Solid BC			Braid									
		CM FT1					20.9 /km*			Duofoil®									
							10.8 /km**			+ 40% AL									
										Braid									
Series 6 RG-6										10.1 /km***									
										Nominal Delay: 3.97 ns/m									
										Pulling Tension: 462 N									
Gas-Injected Foam PE Insulation • Grey FRNC/LSNH Jacket																			
70°C	**4339Q5**	IEC	328	100	12.3	5.6	1.02 mm	0.180	4.57	Duofoil®	0.299	7.60	75	83%	16.3	53.5			see above
		60754-2	1640	500	62.6	28.4	18 AWG			+ 60% AL									
		IEC 332-1					Solid BC			Braid									
							20.9 /km*			Duofoil®									
							10.8 /km**			+ 40% AL									
										Braid									
Series 6 RG-6										10.1 /km***									
										Nominal Delay: 3.97 ns/m									
										Pulling Tension: 462 N									
18 AWG • Solid 1.0 mm Bare Copper • **Duobond® (Schlage Systems)** • 60 % Aluminum Braid																			
Foam PE Insulation • Black PVC Jacket																			
75°C	**5399B5**	NEC:	U-1000	U-305	28.0	12.7	1.02 mm	0.180	4.57	Duobond®	0.270	6.86	75	83%	16.3	53.5	4	0.6	2.0
		CM	1000	305	29.1	13.2	18 AWG			+ 60% AL							30	1.3	4.4
		CEC:					Solid BC			Braid							211	2.0	10.1
		CM FT1					20.9 /km*			10.1 /km***							270	3.5	11.5
							10.8 /km**										300	3.7	12.1
																	330	3.9	12.8
Series 6 RG-6																	400	4.3	14.1
																	450	4.6	15.0
																	550	5.1	16.7
										Nominal Delay: 3.97 ns/m							750	6.0	19.7
										Pulling Tension: 302 N							870	6.5	21.3
																	1000	7.0	23.0

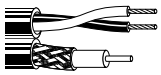
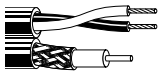
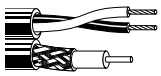
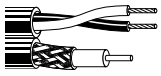
*DC loop resistance • **DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • TC = Tinned Copper • BC = Bare Copper • AL = Aluminum

Quad Shield = Duofoil Tape + 60% Aluminum Braid + Duofoil Tape + 40% Aluminum Braid
Duofoil® and Duobond® see technical information page 23.13.

Security Composite Cables

CCTV Plus Audio or Pan and Tilt CCTV Control Applications

NEW GENERATION®

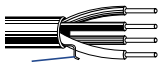
Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Shielding Material	Nominal OD inch	Nominal OD mm	Component	Description	Shielding Material & Nom. DCR	Insulation Material & Colors	Component Jacket Material & Colors	Component OD inch	Component OD mm
Composite • **(1) Pair Unshielded** 18 AWG • **(1) Coax** Solid 0.8 mm Bare Copper • 95% Bare Copper Braid																
PVC Insulation (Pairs) • Foam Insulation (Coax) • Black PVC Jacket																
300V 75°C	**549945**	NEC: CM CEC: CM FT1	500 1000	152 305	30.0 60.2	13.6 27.3	Unshielded	0.460	11.68	2x Data	1-Pair 18 AWG 1.22 mm (7x26) BC	Unshielded	PVC 1.47 mm	PVC Black	0.228	5.79
										1x Coax	20 AWG 0.8 mm Solid BC	95% BC	Foam Polyolefin	PVC Black	0.232	5.89
 RG-59							Color Code 1-Pair: Black and Red									
PVC Insulation (Pairs) • Foam Insulation (Coax) • Grey FRNC/LSNH Jacket																
300V 70°C	**449945**	IEC 60754-2	328 1640	100 500	19.8 98.8	9.0 44.8	Unshielded	0.461	11.70	2x Data	1-Pair 18 AWG 1.22 mm (7x26) BC	Unshielded	PE 1.47 mm	FRNC Grey	0.228	5.79
										1x Coax	20 AWG 0.8 mm Solid BC	95% BC	Foam PE	FRNC Grey	0.232	5.90
 RG-59							Color Code 1-Pair: Black and Red									
Composite • **(1) Pair Unshielded** 18 AWG • **(1) Coax** Solid 1.0 mm Bare Copper • 95% Bare Copper Braid																
PVC Insulation (Pairs) • Foam Insulation (Coax) • Black PVC Jacket																
300V 75°C	**539945**	NEC: CM CEC: CM FT1	500 1000	152 305	34.2 69.0	15.5 31.3	Unshielded	0.500	12.70	2x Data	1-Pair 18 AWG 1.22 mm (7x26) BC	Unshielded	PVC 1.47 mm	PVC Black	0.228	5.79
										1x Coax	18 AWG 1.0 mm Solid BC	95% BC	Foam Polyolefin	PVC Black	0.266	6.76
 RG-6 Kötter approved							Color Code 1-Pair: Black and Red									
PVC Insulation (Pairs) • Foam Insulation (Coax) • Grey FRNC/LSNH Jacket																
300V 70°C	**439945**	IEC 60754-2	328 1640	100 500	22.9 114.9	10.4 52.1	Unshielded	0.500	12.70	2x Data	1-Pair 18 AWG 1.22 mm (7x26) BC	Unshielded	PE 1.47 mm	FRNC Grey	0.228	5.79
										1x Coax	18 AWG 1.0 mm Solid BC	95% BC	Foam PE	FRNC Grey	0.268	6.80
 RG-6 Kötter approved							Color Code 1-Pair: Black and Red									

BC = Bare Copper • DCR = DC resistance

Fire Alarm Cables

Commercial Applications
Power-Limited Unshielded

NEW GENERATION®

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Color Code
22 AWG • Solid 0.6 mm Bare Copper • Numbered and Color Coded • Rip Cord													
Polyethylene Insulation • Red FRNC/LSNH Jacket													
300V 75°C		IEC 60754-2					1.02 mm 18 AWG Solid BC	0.068	1.72	Unshielded			see chart below
 Rip Cord													
	4322UL	4 CDR	328 1640	100 500	9.3 46.3	4.2 21.0					0.177	4.50	
	4324UL	6 CDR	328 1640	100 500	13.0 65.0	5.9 29.5					0.213	5.40	

BC = Bare Copper • DCR = DC resistance

Color Code

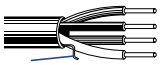
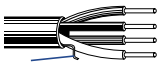
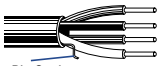
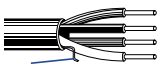
Cond. No.	Color
1	Black
2	Red
3	Brown

Cond. No.	Color
4	Blue
5	Orange
6	Yellow

Fire Alarm Cables

Commercial Applications
Power-Limited Unshielded

NEW GENERATION®

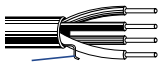
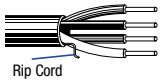
Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Color Code
16 AWG • Solid 1.3 mm Bare Copper • Numbered and Color Coded • Rip Cord													
PVC Insulation • Red PVC Jacket													
300V 75°C		NEC; FPLR CEC: CMG FT4					1.29 mm 16 AWG Solid BC	0.061	1.54	Unshielded			
 Rip Cord													
	5220UL	2 CDR	500 U-1000 1000	152 U-305 305	13.0 24.0 25.1	5.9 10.9 11.4					0.174	4.42	Black, Red
	5222UL	4 CDR	1000	305	45.0	20.4					0.204	5.18	Black, Red, Brown, Blue
Polyethylene Insulation • Red FRNC/LSNH Jacket													
300V 70°C		IEC 60754-2					1.29 mm 16 AWG Solid BC	0.077	1.95	Unshielded			
 Rip Cord													
	4220UL	2 CDR	328 1640	100 500	7.7 38.4	3.5 17.4					0.173	4.40	Black, Red
	4222UL	4 CDR	1640	500	67.7	30.7					0.201	5.10	Black, Red, Brown, Blue
14 AWG • Solid 1.6 mm Bare Copper • Numbered and Color Coded • Rip Cord													
PVC Insulation • Red PVC Jacket													
300V 75°C		NEC: FPLR CEC: CMG FT4					1.63 mm 14 AWG Solid BC	0.077	1.96	Unshielded			
 Rip Cord													
	5120UL	2 CDR	500 1000	152 305	19.0 38.1	8.6 17.3					0.213	5.41	Black, Red
	5122UL	4 CDR	1000	305	70.1	31.8					0.251	6.38	Black, Red, Brown, Blue
Polyethylene Insulation • Red FRNC/LSNH Jacket													
300V 70°C		IEC 60754-2					1.63 mm 14 AWG Solid BC	0.085	2.15	Unshielded			
 Rip Cord													
	4120UL	2 CDR	328 1640	100 500	11.2 56.0	5.1 25.4					0.213	5.40	Black, Red
	4122UL	4 CDR	328 1640	100 500	19.8 99.9	9.0 45.3					0.252	6.40	Black, Red, Brown, Blue

BC = Bare Copper • DCR = DC resistance

Fire Alarm Cables

Commercial Applications
Power-Limited Unshielded

NEW GENERATION®

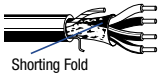
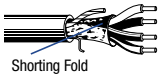
Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Color Code
12 AWG • Solid 2.1 mm Bare Copper • Numbered and Color Coded • Rip Cord													
PVC Insulation • Red PVC Jacket													
300V 75°C	**5020UL**	NEC: FPLR CEC: CMG FT4	1000	305	55.1	25.0	2.05 mm 12 AWG Solid BC	0.094	2.38	Unshielded	0.247	6.27	Black, Red
 Rip Cord													
2 CDR													
Polyethylene Insulation • Red FRNC/LSNH Jacket													
300V 70°C	**4020UL**	IEC 60754-2	1640	500	85.3	38.7	2.05 mm 12 AWG Solid BC	0.107	2.72	Unshielded	0.248	6.30	Black, Red
 Rip Cord													
2 CDR													

BC = Bare Copper • DCR = DC resistance

Fire Alarm Cables

Commercial Applications
Power-Limited Shielded

NEW GENERATION®

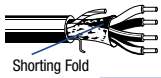
Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Color Code
22 AWG • Solid 0.6 mm Bare Copper • **Beldfoil®** Shield • 24 AWG Tinned Copper Drain Wire • Numbered and Color Coded • Rip Cord													
PVC Insulation • Red PVC Jacket													
300V 75°C	**5522FL**	NEC: FPLR CEC: CMG FT4	C-500 U-1000 1000	C-152 U-305 305	9.0 19.0 19.0	4.1 8.6 8.6	0.64 mm 22 AWG Solid BC	0.035	0.89	Overall Beldfoil® + Drain Wire (24 AWG TC)	0.145	3.68	Black, Red, Brown, Blue
 Shorting Fold 4 CDR													
18 AWG • Solid 1.0 mm Bare Copper • **Beldfoil®** Shield • 24 AWG Tinned Copper Drain Wire • Numbered and Color Coded • Rip Cord													
PVC Insulation • Red PVC Jacket													
300V 75°C		NEC: FPLR CEC: CMG FT4					1.02 mm 18 AWG Solid BC	0.050	1.27	Overall Beldfoil® + Drain Wire (24 AWG TC)			
 Shorting Fold	**5320FL**	2 CDR	C-500 U-500 500 U-1000 1000	C-152 U-152 152 U-305 305	10.6 11.5 11.5 22.0 22.0	4.8 5.2 5.2 10.0 10.0					0.155	3.94	Black, Red
	5322FL	4 CDR	C-500 500 U-1000 1000	C-152 152 U-305 305	15.4 16.5 32.0 34.0	7.0 7.5 14.5 15.4					0.170	4.32	Black, Red, Brown, Blue
Polyethylene Insulation • Red FRNC/LSNH Jacket													
300V 70°C		IEC 60754-2					1.02 mm 18 AWG Solid BC	0.060	1.52	Overall Beldfoil® + Drain Wire (24 AWG TC)			Black, Red, Brown, Blue
 Shorting Fold	**4320FL**	4 CDR	328 1640	100 500	3.3 16.5	1.5 7.5					0.157	4.00	
	4322FL	4 CDR	328 1640	100 500	3.7 18.1	1.7 8.2					0.169	4.30	
16 AWG • Solid 1.3 mm Bare Copper • **Beldfoil®** Shield • 24 AWG Tinned Copper Drain Wire • Numbered and Color Coded • Rip Cord													
PVC Insulation • Red PVC Jacket													
300V 75°C		NEC: FPLR CEC: CMG FT4					1.29 mm 16 AWG Solid BC	0.061	1.54	Overall Beldfoil® + Drain Wire (24 AWG TC)			
 Shorting Fold	**5220FL**	2 CDR	1000	305	29.1	13.2					0.178	4.52	Black, Red
	5222FL	4 CDR	1000	305	50.0	22.7					0.208	5.28	Black, Red, Brown, Blue
Polyethylene Insulation • Red FRNC/LSNH Jacket													
300V 70°C	**4220FL**	IEC 60754-2	328 1640	100 500	8.8 44.5	4.0 20.2	1.29 mm 16 AWG Solid BC	0.071	1.80	Overall Beldfoil® + Drain Wire (24 AWG TC)	0.177	4.50	Black, Red
 Shorting Fold 2 CDR													

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance

Fire Alarm Cables

Commercial Applications
Power-Limited Shielded

NEW GENERATION®

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Color Code
14 AWG • Solid 1.6 mm Bare Copper • **Beldfoil®** Shield • 24 AWG Tinned Copper Drain Wire • Numbered and Color Coded • Rip Cord													
PVC Insulation • Red PVC Jacket													
300V 75°C		NEC: FPLR CEC: CMG FT4					1.63 mm 14 AWG Solid BC	0.077	1.96	Overall Beldfoil® + Drain Wire (24 AWG TC)			
 Shorting Fold													
	5120FL	2 CDR	500 1000	152 305	22.0 43.0	10.0 19.5					0.217	5.51	Black, Red
	5122FL	4 CDR	1000	305	79.1	35.9					0.255	6.48	Black, Red, Brown, Blue
Polyethylene Insulation • Red FRNC/LSNH Jacket													
300V 70°C	**4120FL**	IEC 60754-2	1640	500	64.4	29.2	1.63 mm 14 AWG Solid BC	0.085	2.15	Overall Beldfoil® + Drain Wire (24 AWG TC)	0.217	5.50	Black, Red
 Shorting Fold													
2 CDR													
12 AWG • Solid 2.0 mm Bare Copper • **Beldfoil®** Shield • 24 AWG Tinned Copper Drain Wire • Numbered and Color Coded • Rip Cord													
Polyethylene Insulation • Red FRNC/LSNH Jacket													
300V 75°C	**5020FL**	NEC: FPLR CEC: CMG FT4	1000	305	60.0	27.2	2.05 mm 12 AWG Solid BC	0.094	2.38	Overall Beldfoil® + Drain Wire (24 AWG TC)	0.251	6.38	Black, Red
 Shorting Fold													
2 CDR													
Polyethylene Insulation • Red FRNC/LSNH Jacket													
300V 70°C	**4020FL**	IEC 60754-2	1640	500	90.4	41.0	2.05 mm 12 AWG Solid BC	0.107	2.72	Overall Beldfoil® + Drain Wire (24 AWG TC)	0.252	6.40	Black, Red
 Shorting Fold													
2 CDR													

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance

Circuit Integrity & Fire Protection Cables

Commercial Applications

Power-Limited Shielded

NEW GENERATION®

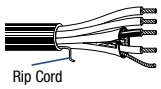
Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Color Code
17 AWG • Solid 1.13 mm Plain Annealed Copper to BS6360 • Circuit Protection Conductor • Mica/Glass Fire Barrier • Aluminum/Polyester Taped Screen • Drain Wire													
XL Polyolefin FROH Insulation • Red FRNC/LSNH Jacket													
300V 70°C  1.0 mm²		IEC 331					1.13 mm 17 AWG Solid Plain Annealed Copper BS6360 + Circuit Protection	0.115	2.93	Mica/Glass Fire Barrier Overall Alu/PE foil FROH + Drain Wire			
	4K20FX	2 CDR	328 1640	100 500	21.2 105.8	9.6 48.0					0.313	7.96	Black, Red
	4K21FX	3 CDR	328 1640	100 500	25.4 126.8	11.5 57.5					0.331	8.41	Black, Red, Yellow
	4K22FX	4 CDR	328 1640	100 500	28.4 142.2	12.9 64.5					0.361	9.17	Black, Red, Yellow, Blue
15 AWG • Solid 1.38 mm Plain Annealed Copper to BS6360 • Circuit Protection Conductor • Mica/Glass Fire Barrier • Aluminum/Polyester Taped Screen • Drain Wire													
XL Polyolefin FROH Insulation • Red FRNC/LSNH Jacket													
300V 70°C  1.5 mm²		IEC 331					1.38 mm 15 AWG Solid Plain Annealed Copper BS6360 + Circuit Protection	0.126	3.20	Mica/Glass Fire Barrier Overall Alu/PE foil FROH + Drain Wire			
	4L20FX	2 CDR	328 1640	100 500	26.2 131.2	11.9 59.5					0.335	8.50	Black, Red
	4L21FX	3 CDR	328 1640	100 500	33.3 166.4	15.1 75.5					0.354	8.99	Black, Red, Yellow
	4L22FX	4 CDR	328 1640	100 500	37.7 188.5	17.1 85.5					0.387	9.82	Black, Red, Yellow, Blue
	4L25FX	7 CDR	328 1640	100 500	57.8 288.4	26.2 131.0					0.469	11.90	Black, Red, Yellow, Blue, Black, Red, Yellow
13 AWG • Solid 1.78 mm Plain Annealed Copper to BS6360 • Circuit Protection Conductor • Mica/Glass Fire Barrier • Aluminum/Polyester Taped Screen • Drain Wire													
XL Polyolefin FROH Insulation • Red FRNC/LSNH Jacket													
300V 70°C  2.5 mm²		IEC 331					1.78 mm 13 AWG Solid Plain Annealed Copper BS6360 + Circuit Protection	0.149	3.79	Mica/Glass Fire Barrier Overall Alu/PE foil FROH + Drain Wire			
	4N20FX	2 CDR	328 1640	100 500	36.2 180.8	16.4 82.0					0.381	9.68	Black, Red
	4N21FX	3 CDR	328 1640	100 500	49.2 245.8	22.3 111.5					0.412	10.46	Black, Red, Yellow
	4N22FX	4 CDR	328 1640	100 500	56.9 255.7	25.8 116.0					0.467	11.85	Black, Red, Yellow, Blue

Alu = Aluminum • PE = Polyester • DCR = DC resistance

Composite Data, Audio, Video, Security and Control Cables

Multimedia Control Cables

RESIDENTIAL

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Shielding Material	Nominal Insulation OD inch	Nominal Insulation OD mm	Component	Description	Shielding Material & Nom. DCR	Jacket Material & Colors	Insulation OD inch	Insulation OD mm
Control • **(1) Data** 22 AWG Stranded (7x30) 0.8 mm TC • Twisted Pair with **Beldfoil®** Shield • 24 AWG TC Drain Wire • **(2) Power** 18 AWG (16x30) TC Unshielded Pair • Rip Cord																
HDFPE Insulation (Data) • F-R PVC Insulation (Power) • F-R PVC Jacket (Black, White and Aqua)																
300V 75°C	**1502R**	NEC: CMR CEC: CMG FT4	500 1000	152 305	20.1 44.1	9.1 20.0	–	Beldfoil®	0.250	6.35	1 x Data	1-Pair 22 AWG 0.8 mm (7x30) TC	Overall Beldfoil® 100 % + Drain Wire (24 AWG TC)	HDFPE Blue White	–	–
											1 x Power	2 Conductors 18 AWG 1.2 mm (16x30) TC	Unshielded	F-R-PVC Red Black	–	–
 Rip Cord																
1 STP + 2 CDR Sequential footing marking every 0.6 m.												Pulling Tension: 266 N				

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. ( )	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/100 ft.	Nominal Attenuation dB/100 m
22 AWG • Solid 0.6 mm Bare Copper • Twisted Pair																			
Polyolefin Insulation • White FRNC/LSNH Jacket																			
80°C	**7701NH**	IEC 33203C BS 7655	1000 1640	305 500	10.6 17.6	4.8 8.0	0.64 mm 22 AWG Solid BC	0.046	1.17	Unshielded	0.138	3.50	100	68%	14.0	46.0	0.772 1 4 10 16 20	0.4 0.5 0.9 1.5 1.9 2.1	1.3 1.5 3.1 4.9 6.3 6.9
																			
LonWorks										Color Code: White/Blue and Blue/White									

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance

Composite Data, Audio, Video, Security and Control Cables

Multimedia Control Cables

RESIDENTIAL

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. ( )	Nom. Vel. of Prop.	Nominal Capacitance	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code
20 AWG • Solid 0.8 mm Bare Copper • Twisted Pair • Plastic Foil • 26 AWG Bare Copper Drain Wire																		
PVC Insulation • Green F-R PVC Jacket																		
300V RMS 70°C	**YE00820**	NEC:	100	30	11.5	5.2	0.81 mm	0.056	1.43	Overall	0.276	7.00	–	73	CDR/CDR	30.0	100.0	Red, Black
		CMR	500	152	57.3	26.0	20 AWG			Alu-foil					CDR/SCR	91.0	300.0	White, Yellow
		CEC:	1000	305	114.6	52.0	Solid BC			+ Drain Wire								
		CMR FT4								(26 AWG BC)								
																		
EIB/KNX																		
			Pulling Tension: 50 N															
PVC Insulation • Green F-R LSNH/FRNC Jacket																		
300V RMS 70°C	**YE00906**	NEC:	100	30	12.3	5.6	0.81 mm	0.063	1.60	Overall	0.283	7.20	–	73	CDR/CDR	30.0	100.0	Red, Black
		CMR	500	152	61.7	28.0	20 AWG			Alu-foil					CDR/SCR	91.0	300.0	White, Yellow
		CEC:	1000	305	123.5	56.0	Solid BC			+ Drain Wire								
		CMR FT4								(26 AWG BC)								
																		
EIB/KNX																		
			Pulling Tension: 50 N															
16 AWG • Stranded (19x29) 1.5 mm Tinned Copper • Twisted Pair																		
PVC Insulation • Chrome PVC Jacket																		
300V 60°C UL AWM Style 2598	**8471**	NEC:	U-500	U-152	21.0	9.5	1.47 mm	0.105	2.67	Unshielded	0.274	6.96	–	–	CDR/CDR	30.0	100.0	Black, White
		CMG	500	152	20.0	9.1	16 AWG											
		CEC:	U-1000	U-305	41.0	18.6	(19x29) TC											
		CMG FT4	1000	305	43.0	19.5												
																		
LonWorks																		
			Pulling Tension: 271 N															

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors