

**IEEE 802.5, ISO/IEC 8802.5**

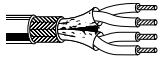
IBM Cabling System

Types 2A and 6A

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

**IBM Type 6a • 26 AWG • Stranded (7x34) 0.5 mm Bare Copper • Twisted Pair • Individual Beldfoil® • 65% Overall Tinned Copper Braid**

<b>Datalene® Insulation • Striated Black PVC Jacket</b>																		
<b>IBM Part No. 1215A</b>	NEC:	† 998	304	46.1	20.9	0.48 mm	0.078	1.98	Individual Beldfoil®	0.325	8.26	150	-	8.5	27.9	4	1.0	3.3
4716743	CL2, CM					26 AWG			+ 65% TC							16	2.0	6.6
33G2775	CEC:					(7x34) BC			Braid							100	5.7	18.7
	CM															300	9.8	32.3

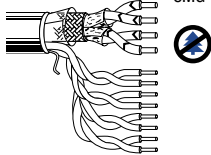


2-Pair

IBM qualified type 6A office cable for use in IBM cabling systems.

**IBM Type 2a • 22 AWG • Solid 0.6 mm Bare Copper • Twisted Pair • Individual Beldfoil® • 65% Overall Tinned Copper Braid • Rip Cord**

<b>Flame-Retardant Foam Polyethylene Insulation • Black PVC Jacket</b>																		
<b>IBM Part No. 9689</b>	NEC:	† 1000	305	80.2	36.4	2-Pair*	0.099	2.51	Beldfoil®	0.324	8.32	150@	-	8.5	27.9	0.1k**	0.04	0.1
4716739	CMG	† 3600	1098	299.4	135.8	0.64 mm			Each Pair	x	x	1 MHz		(data)	(data)	4	0.7	2.2
33G2773	CEC:					22 AWG			+ 65% TC	0.466	11.84	(data)				16	1.3	4.4
	CMG					Solid BC			Braid							100	3.8	12.3
						4-Pair*	0.045	1.14				600@				300	6.5	21.4
						0.64 mm						1 KHz				100 ††	4.1	13.4
						22 AWG						(voice)				300 ††	7.1	23.3
						Solid BC										600 ††	10.0	32.9



IBM qualified type 2A media cable for use in IBM cabling systems.

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance  
 † Spools are one piece, but length may vary ±10% from length shown.  
 †† Common mode  
 \* (2) shielded Data-grade pair; (4) unshielded voice-grade media pair.  
 \*\* Voice pairs (1 kHz); Data pairs (4-600 MHz)



## Industrial Data Solutions® - Industrial Data

DeviceBus® for ODVA DeviceNet™ Cables



De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Color Code	Nominal OD		Compo- nent	Description	Shielding Material & Nom. DCR	Insulation Material & Colors	Component Jacket Material & Colors	Insulation OD	
			ft.	m	lbs.	kg		inch	mm						inch	mm

**600V Class 1 Thick • 15 AWG and 18 AWG • Stranded Tinned Copper • Beldfoil® • 18 AWG TC Drain Wire • Overall 65% TC Braid****PVC/Nylon Insulation (Power) • FEP Insulation (Data) • Grey Sunlight/Oil-Resistant PVC Jacket**

High Velocity Thick 600V 75°C	<b>7897A</b>	NEC:	500	152	69.7	31.6	Red, Black	0.461	11.70	Power	2-Conductor 15 AWG 1.7 mm (19x28) TC	Individual Beldfoil®	PVC/Nylon			0.099	2.51
		TC-ER	1000	305	135.1	61.3											
			2000	610	274.3	124.4											



Blue, White	Data	2-Conductor 18 AWG 1.24 mm (19x30) TC VOP: 75% 120 Ohm	Individual Beldfoil®	FEP		0.146	3.71
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Meter marks on jacket to aid users in installation.  
Allen-Bradley P/N 1485 CPI-A

**600V Class 1 ODVA Cable V • 16 AWG and 18 AWG • Stranded TC • Beldfoil® • 16 AWG TC Drain Wire • Overall 65% TC Braid****PVC/Nylon Insulation (Power) • F-R Polypropylene Insulation (Data) • Grey Sunlight/Oil-Resistant PVC Jacket**

600V 75°C	<b>7896A</b>	NEC:	500	152	89.1	40.4	Red, Black	0.525	13.34	Power	2-Conductor 16 AWG 1.47 mm (19x29) TC	Individual Beldfoil®	PVC/Nylon			0.101	2.57
		TC-ER	1000	305	168.0	76.2											
			2000	610	339.9	154.2											



C(UL) AWM I/II A/B

Blue, White	Data	2-Conductor 18 AWG 1.24 mm (19x30) TC VOP: 64% 120 Ohm	Individual Beldfoil®	F-R PP		0.182	4.62
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Meter marks on jacket to aid users in installation.  
Allen-Bradley P/N 1485 CPI-A

**600V Class 1 ODVA IV • 16 AWG and 18 AWG • Stranded Tinned Copper • Unshielded****PVC/Nylon Insulation (Power) • F-R Polypropylene Insulation (Data) • Grey Sunlight/Oil-Resistant PVC Jacket**

Drop 600V 75°C	<b>7900A</b>	NEC:	500	152	50.9	23.1	Red, Black	0.430	10.92	Power	2-Conductor 16 AWG 1.47 mm (19x29) TC	Unshielded	PVC/Nylon			0.101	2.57
		TC-ER	1000	305	104.9	47.6											



Blue, White	Data	2-Conductor 18 AWG 1.24 mm (19x30) TC VOP: 64% 120 Ohm	Unshielded	F-R PP		0.098	2.49
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Meter marks on jacket to aid users in installation.  
Allen-Bradley P/N 1485 CPI-C

**600V Class 2 Thick • 15 AWG and 18 AWG • Stranded Tinned Copper • Beldfoil® • 18 AWG TC Drain Wire • Overall 65% TC Braid****PVC Insulation (Power) • FPE Insulation (Data) • Sunlight/Oil-Resistant PVC Jacket (Grey and Red)**

Thick 75°C UL AWM 20201	<b>3082A</b>	NEC:	500	152	71.0	32.2	Red, Black	0.480	12.19	Power	2-Conductor 15 AWG 1.7 mm (19x28) TC	Individual Beldfoil®	PVC			0.109	2.77
		CMG	1000	305	138.0	62.6											
		PLTC-ER	2000	610	280.0	127.0											



C(UL) AWM I/II A

Blue, White	Data	2-Conductor 18 AWG 1.24 mm (19x30) TC VOP: 75% 120 Ohm	Individual Beldfoil®	FPE		0.150	3.81
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Meter marks on jacket to aid users in installation.  
Allen-Bradley P/N 1485 CPI-A  
152 m and 610 m put-ups not available in Red.

TC = Tinned Copper • DCR = DC resistance

ODVA DeviceNet™ is an Open DeviceNet Vendor Association Inc. trademark.

## Industrial Data Solutions® - Industrial Data

## DeviceBus® for Square D/Seriplex® Cables



De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Color Code	Nominal OD		Compo- nent	Description	Shielding Material & Nom. DCR	Insulation Material & Colors	Component Jacket Material & Colors	Insulation OD	
			ft.	m	lbs.	kg		inch	mm						inch	mm

**18 AWG and 22 AWG • Stranded Tinned Copper • Overall Beldfoil® • 22 AWG Tinned Copper Drain Wire****Foam HDPE Insulation (Power) • Foam HDPE Insulation (Data) • Orange PVC Jacket**

	600V 75°C	<b>3124A</b>	NEC: CL2 CM	1000	305	47.0	21.3	Red, Black	0.308	7.82	Power	2-Conductor 18 AWG 1.2 mm (16x30) TC	Unshielded	Foam HDPE		0.098	2.49
	UL AWM Style 20201		CEC: CM														
								White, Green			Data	2-Conductor 22 AWG 0.76 mm (7x30) TC VOP: 78%	Unshielded	Foam HDPE		0.092	2.34

Seriplex® CBL 1822-P18

**16 AWG and 22 AWG • Stranded Tinned Copper • Overall Beldfoil® • 22 AWG Tinned Copper Drain Wire****Foam HDPE Insulation (Power) • Foam HDPE Insulation (Data) • Orange PVC Jacket**

	300V 75°C	<b>3125A</b>	NEC: CL2 CM	500	152	31.5	14.3	Red, Black	0.368	9.35	Power	2-Conductor 16 AWG 1.5 mm (26x30) TC	Unshielded	Foam HDPE		0.110	2.79
			CEC: CM	1000	305	63.1	28.6										
								White, Green			Data	2-Conductor 22 AWG 0.76 mm (7x30) TC VOP: 78%	Unshielded	Foam HDPE		0.110	2.79

Seriplex® CBL 1622-P1

**16 AWG, 22 AWG and 12 AWG • Stranded Tinned Copper • Twisted Pair • Overall Beldfoil® • 22 AWG Tinned Copper Drain Wire****Foam HDPE Insulation (Control) • Foam HDPE Insulation (Data) • PVC Insulation (Power) • Orange PVC Jacket**

	300V 75°C	<b>3126A</b>	NEC: CL2 CM	1000	305	112.0	50.8	Red, Black	0.486	12.34	Control	2-Conductor 16 AWG 1.5 mm (26x30) TC VOP: 78%	Unshielded	Foam HDPE		0.110	2.79
			CEC: CM						x	x							
									0.363	9.22							
								White, Green			Data	2-Conductor 22 AWG 0.76 mm (7x30) TC VOP: 78%	Unshielded	Foam HDPE		0.110	2.79
								Black/White, Red/White			Power	2-Conductor 12 AWG 2.41 mm (65x30) TC VOP: 48%	Unshielded	PVC		0.123	3.12

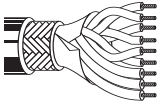
Seriplex® CBL 162212-P16

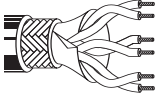
TC = Tinned Copper • DCR = DC resistance

Seriplex® is a Square D/Schneider AEG registered trademark.

**Industrial Data Solutions® - Industrial Data**  
 DeviceBus® for Phoenix Contact InterBus®-S Cables



De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Color Code	Nominal OD		Compo- nent	Description	Shielding Material & Nom. DCR	Insulation Material & Colors	Component Jacket Material & Colors	Insulation OD		
			ft.	m	lbs.	kg		inch	mm						inch	mm	
<b>18 AWG and 24 AWG • Stranded Tinned Copper • Overall Beldfoil® + 90% Tinned Copper Braid</b>																	
<b>PVC Insulation (Power) • Polyethylene Insulation (Data) • Green Polyurethane Jacket</b>																	
300V 80°C UL AWM Style 20233	<b>3119A</b>		500	152	35.5	16.1	Red, Blue and Green (with Yellow Stripe)	0.333	8.46	Control	3-Conductor 18 AWG 1.22 mm (7x26) TC	Unshielded	PVC			0.066	1.68
							White/Brown, Pink/Grey, Yellow/Green			Power	3-Pair 24 AWG 0.61 mm (7x32) TC VOP: 66% 100 Ohm	Unshielded	PE			0.056	1.42

De- scription	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		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm			pF/ft.	pF/m	
<b>24 AWG • Stranded (7x32) 0.6mm Tinned Copper • Overall Beldfoil® + 90% Tinned Copper Braid</b>																	
<b>Polyethylene Insulation • Green Polyurethane Jacket</b>																	
300V 80°C UL AWM Style 20233	<b>3120A</b>		500	152	26.0	11.8	0.61 mm 24 AWG (7x32) TC	0.056	1.42	Overall Beldfoil® + Overall 90% TC Braid	0.277	7.04	100	66%	15.4	50.5	White/Brown, Pink/Grey, Yellow/Green
																	
3-Pair																	

TC = Tinned Copper • DCR = DC resistance

InterBus® is a Phoenix Contact trademark.

Industrial Data Solutions® - Industrial Data

CC-Link Cables



De-scription	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		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			ft.	m	lbs.	kg		inch	mm		inch	mm			pF/ft.	pF/m	MHz	dB/100 ft.	dB/100 m

**20 AWG • Stranded (7x28) 1.0 mm Bare Copper • Beldfoil® • 78% Tinned Copper Braid • 22 AWG Tinned Copper Drain Wire**

**Foam HDPE Insulation • Red PVC Jacket**

60°C	1348A	NEC: CM CEC: CM	1000 2000	305 610	57.1 114.2	25.9 51.8	0.96 mm 20 AWG (7x28) BC	0.094	2.39	Overall Beldfoil® + Overall 78% TC Braid + Drain Wire (22 AWG TC)	0.303	7.70	110	75%	18.3	60.0	1	0.5	1.6
																	5	1.1	3.5



Color Code: Blue, White, Yellow

3 CDR

De-scription	Part No.	UL NEC / C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Color Code	Nominal OD		Component	Description	Shielding Material & Nom. DCR	Insulation Material & Colors	Component Jacket Material & Colors	Insulation OD	
			ft.	m	lbs.	kg		inch	mm						inch	mm

**Power Limited Tray Cable • 16 AWG and 22 AWG • Stranded Tinned Copper • Overall Beldfoil® • 22 AWG Tinned Copper Drain Wire**

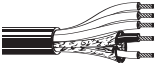
**PVC Insulation (Power) • Foam HDPE Insulation (Data) • Red UV Resistant PVC Jacket**


105°C	1349A	NEC: PLTC CM CEC: CM	1000	305	126.1	57.2	White, Black	0.512	13.00	Power	2-Conductor 18 AWG 1.22 mm (7x26) TC	Unshielded	PVC	-	0.091	2.31
							Blue, White and Yellow			Data	3-Conductor 20 AWG 0.96 mm (7x28) TC VOP: 76% 110 Ohm	Beldfoil® 78% TC + Drain Wire	HDPE	PVC	0.098	2.49


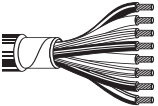
TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance

# Speaker Cables



De-scription	Part No.	UL NEC / C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Shielding Material	Nominal OD		Component	Description	Shielding Material & Nom. DCR	Insulation Material & Colors	Component Jacket Material & Colors	Component OD	
			ft.	m	lbs.	kg		inch	mm						inch	mm
<b>26 AWG • 2 CDR (Audio) Stranded (18x0.1) 0.5 mm BC + 3 CDR (Power) Stranded (32x0.2) 1.2 mm BC • Conductors Cabled with Fillers</b>																
<b>Polyethylene Insulation • Overall Matte Black PVC Jacket</b>																
300V RMS 60°C	BE43908		328	100	37.5	17.0	Unshielded	0.461	11.7	1xAudio	1-Pair 26 AWG 0.48 mm (18x0.1) BC	Overall 90% BC Braid	PE Black Red	PVC Black	0.044	1.12
			1640	500	187.4	85.0					1xPower				3 Conductors 18 AWG 1.15 mm (32x0.2) BC	Unshielded
 <p>2x0.14 mm<sup>2</sup> (Audio) 3x1.20 mm<sup>2</sup> (Power)</p> <p>Pulling Tension: 200 N</p>																

De-scription	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		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Color Code	
			ft.	m	lbs.	kg		inch	mm		inch	mm			pF/ft.	pF/m		
<b>16 AWG • 2 Conductor • Stranded (25x0.23) 1.5 mm Bare Copper</b>																		
<b>PVC Insulation • Overall Matte Black PVC Jacket (Grey or Black)</b>																		
300V RMS 60°C	BE46382 2 CDR		328	100	15.9	7.2	1.5 mm	0.098	2.50	Unshielded	0.276	7.00	12	-	CDR/CDR	35	115	Black, Red
			1640	500	79.8	36.2	16 AWG											
			3280	1000	159.4	72.3	(25x0.23) BC											
 <p>2x1.5 mm<sup>2</sup></p> <p>1000 m put-up available in Black only. Pulling Tension: 240 N</p>																		

<b>14 AWG • 4 or 8 Conductor • Stranded (104x34) 1.9 mm Bare Copper • Conductors Cabled with Fillers • Paper Wrap</b>																		
<b>PVC Insulation • Overall Matte Black PVC Jacket</b>																		
300V RMS 60°C	1810A 4 CDR		250	76	26.3	11.9	1.85 mm	0.025	0.64	Unshielded	0.390	9.91	8.8	-	CDR/CDR CDR/SCR	19 57	61 187	Red, Green, White, Black
			500	152	55.5	25.2	14 AWG											
			1000	305	114.0	51.7	(104x34) BC											
 <p>High-Flex 4x2.1 mm<sup>2</sup></p> <p>Compatible with Speakon® connectors. Pulling Tension: 889 N</p>																		
<b>PVC Insulation • Overall Matte Black PVC Jacket</b>																		
300V RMS 60°C	1811A 8 CDR		1000	305	205.0	93.0	1.85 mm	0.025	0.64	Unshielded	0.515	13.08	8.8	-	CDR/CDR CDR/SCR	19 57	61 187	Brown, Red, Orange, Yellow, Green, White, Blue, Black
							14 AWG (104x34) BC											
 <p>8x2.1 mm<sup>2</sup></p> <p>Compatible with Speakon® connectors. Pulling Tension: 1779 N</p>																		

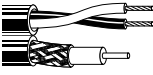
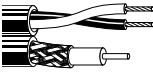
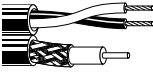
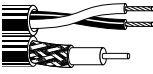
BC = Bare Copper • PE = Polyethylene • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors

Speakon® is a Neutrik trademark.

### Security Composite Cables

CCTV Plus Audio or Pan and Tilt CCTV Control Applications



De-scription	Part No.	UL NEC / C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Shielding Material	Nominal OD		Component	Description	Shielding Material & Nom. DCR	Insulation Material & Colors	Component Jacket Material & Colors	Component OD		
			ft.	m	lbs.	kg		inch	mm						inch	mm	
Composite • (1) Pair Unshielded 18 AWG • (1) Coax Solid 0.8 mm Bare Copper • 95 % Bare Copper Braid																	
<b>PVC Insulation (Pairs) • Foam Insulation (Coax) • Black PVC Jacket</b>																	
300V 75°C	<b>549945</b>	NEC: CM CEC: CM FT1	500 1000	152 305	30.0 60.2	13.6 27.3	Unshielded	0.460	11.68	2xData	1-Pair 18 AWG 1.22 mm (7x26) BC	Unshielded	PVC 1.47 mm	PVC Black	0.228	5.79	
											1xCoax	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																	
<b>PVC Insulation (Pairs) • Foam Insulation (Coax) • Grey FRNC/LSNH Jacket</b>																	
300V 70°C	<b>449945</b>	IEC 60754-2	328 1640	100 500	19.8 98.8	9.0 44.8	Unshielded	0.461	11.70	2xData	1-Pair 18 AWG 1.22 mm (7x26) BC	Unshielded	PE 1.47 mm	FRNC Grey	0.228	5.79	
											1xCoax	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																	
<b>PVC Insulation (Pairs) • Foam Insulation (Coax) • Black PVC Jacket</b>																	
300V 75°C	<b>539945</b>	NEC: CM CEC: CM FT1	500 1000	152 305	34.2 69.0	15.5 31.3	Unshielded	0.500	12.70	2xData	1-Pair 18 AWG 1.22 mm (7x26) BC	Unshielded	PVC 1.47 mm	PVC Black	0.228	5.79	
											1xCoax	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																	
<b>PVC Insulation (Pairs) • Foam Insulation (Coax) • Grey FRNC/LSNH Jacket</b>																	
300V 70°C	<b>439945</b>	IEC 60754-2	328 1640	100 500	22.9 114.9	10.4 52.1	Unshielded	0.500	12.70	2xData	1-Pair 18 AWG 1.22 mm (7x26) BC	Unshielded	PE 1.47 mm	FRNC Grey	0.228	5.79	
											1xCoax	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																	

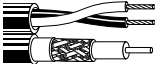
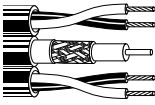

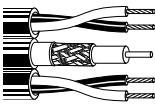
BC = Bare Copper • DCR = DC resistance

20 • New Generation® Cables

**Security Composite Cables**

CCTV Plus Audio or Pan and Tilt CCTV Control Applications



De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Shielding Material	Nominal OD		Compo- nent	Description	Shielding Material & Nom. DCR	Insulation Material & Colors	Component Jacket Material & Colors	Component Insulation OD	
			ft.	m	lbs.	kg		inch	mm						inch	mm
Composite • <b>(2) Conductor</b> 26 AWG • <b>(1) Coax</b> Solid 0.4 mm Bare Copper • Alu Triplex/Duplex • 72% Tinned Copper Braid																
<b>PVC Insulation (Conductors) • Gas-Injected PE Insulation (Coax) • Grey PVC Jacket</b>																
	SEC0001		328	100	11.7	5.3	Unshielded	0.252	6.40	1xData	2 Conductor 26 AWG 0.50 mm (16x0.193) BC	Unshielded	PVC 1.90 mm	PVC	0.062	1.57
										1xCoax	21 AWG 0.41 mm Solid BC	Alu Triplex/Duplex 72% TC Braid	Foam Polyethylene	PVC	0.142	3.60
Composite • <b>(2) Conductor</b> 16 AWG • <b>(1) Coax</b> Solid 0.8 mm BC • Alu Triplex/Duplex • 55% Tinned Copper Braid • <b>(2) Conductor</b> 26 AWG																
<b>PVC Insulation (Conductors) • Gas-Injected PE Insulation (Coax) • Grey PVC Jacket</b>																
	SEC0002		328	100	29.8	13.5	Unshielded	0.315	8.00	1xData	2 Conductor 16 AWG 1.50 mm (30x0.25) BC	Unshielded	PE 3.50 mm	PVC	0.101	2.56
										1xCoax	20 AWG 0.81 mm Solid BC	Alu Triplex/Duplex 55% TC Braid	Foam Polyethylene	PVC	0.142	3.60
										1xControl	2 Conductor 26 AWG 0.50 mm (16x0.20) BC	Unshielded	PE 3.50 mm	PVC	0.062	1.57
Composite • <b>(2) Conductor</b> 20 AWG • <b>(1) Coax</b> Solid 0.4 mm Bare Copper • Alu Triplex/Duplex • 72% Tinned Copper Braid																
<b>PVC Insulation (Conductors) • Gas-Injected PE Insulation (Coax) • Grey PVC Jacket</b>																
	SEC0003		328	100	14.8	6.7	Unshielded	0.291	7.40	1xData	2 Conductor 20 AWG 1.00 mm (32x0.20) BC	Unshielded	PVC 1.90 mm	PVC	0.085	2.17
										1xCoax	26 AWG 0.41 mm Solid BC	Alu Triplex/Duplex 72% TC Braid	Foam Polyethylene	PVC	0.142	3.60
Composite • <b>(2) Conductor</b> 24 AWG • <b>(1) Coax</b> Solid 0.4 mm BC • Alu Triplex/Duplex • 72% Tinned Copper Braid • <b>(2) Conductor</b> 26 AWG																
<b>PVC Insulation (Conductors) • Gas-Injected PE Insulation (Coax) • Grey PVC Jacket</b>																
	SEC0004		328	100	13.4	6.1	Unshielded	0.260	6.60	1xData	2 Conductor 24 AWG 0.22 mm (30x0.25) BC	Unshielded	PVC 1.90 mm	PVC	0.045	1.15
										1xCoax	26 AWG 0.41 mm Solid BC	Alu Triplex/Duplex 72% TC Braid	Foam Polyethylene	PVC	0.142	3.60
										1xControl	2 Conductor 26 AWG 0.50 mm (16x0.20) BC	Unshielded	PE 3.50 mm	PVC	0.062	1.57

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



## Security Composite Cables

## CCTV PTZ Camera Cable



De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Shielding Material	Nominal OD		Compo- nent	Description	Shielding Material & Nom. DCR	Insulation Material & Colors	Component Jacket Material & Colors	Component OD	
			ft.	m	lbs.	kg		inch	mm						inch	mm
Composite • (1) 2-Pair UTP 24 AWG • (2) 16 AWG (19x29) 1.47 mm Tinned Copper Conductors																
Polyolefin Insulation (Pairs) • PVC Insulation (Conductors) • PVC Jacket (White or Black)																
	5284US	NEC:	500	152	25.5	11.6	Unshielded	0.426	10.80	1xData	2-Pair UTP 24 AWG 0.50 mm Solid BC	Unshielded	Polyolefin	F-R PVC	0.200	5.08
		CMR:	1000	305	44.0	20.0										
										2xPower	2-Conductor 16 AWG 1.47 mm (19x29) TC	Unshielded	PVC 2.03 mm	PVC	0.226	5.74
Jacket sequentially marked.																
Composite • (1) 2-Pair UTP 23 AWG • (2) 16 AWG (19x29) 1.47 mm Tinned Copper Conductors																
Polyolefin Insulation (Pairs) • PVC Insulation (Conductors) • PVC Jacket (White or Black)																
	5284UE	NEC:	500	152	22.5	10.2	Unshielded	0.233	5.92	1xData	2-Pair UTP 23 AWG 0.60 mm Solid BC	Unshielded	Polyolefin 1.01 mm	-	-	-
		CMR:	1000	305	44.0	20.0										
										2xPower	2-Conductor 16 AWG 1.47 mm (19x29) TC	Unshielded	PP 1.96 mm	-	-	-
Jacket sequentially marked.																
Composite • (1) Cat 5e 4-Bonded-Pair UTP 24 AWG • (2) 16 AWG (19x29) 1.47 mm Tinned Copper Conductors																
Polyolefin Insulation (Pairs) • PVC Insulation (Conductors) • PVC Jacket (White or Black)																
	5288US	NEC:	500	152	27.5	12.5	Unshielded	0.424	10.80	1xData	4-Pair UTP 24 AWG 0.50 mm Solid BC	Unshielded	Polyolefin	F-R PVC	0.198	5.03
		CMR:	1000	305	52.0	23.6										
										2xPower	2-Conductor 16 AWG 1.47 mm (19x29) TC	Unshielded	PVC 2.03 mm	PVC	0.226	5.74
Jacket sequentially marked.																

TC = Tinned Copper • BC = Bare Copper • 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

## Security Composite Cables

### CCTV Fixed and PTZ Camera Cable



De- scription	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		Freq. MHz	Max. Atten. dB/100m	Min. PSUM			ACR dB/100m	Min. RL dB
			ft.	m	lbs.	kg		inch	mm		inch	mm			NEXT dB	ACR dB/100m	ELFEXT dB/100m		
<b>DataTwist® Cat 5e • 24 AWG • Solid 0.5 mm Bare Copper Conductors • Rip Cord</b>																			
<b>Polyolefin Insulation • Flexible Matte Black PVC Jacket • Category 5e</b>																			
<p>Rip Cord</p> <p>4-Pair</p>	1583E	B-328 U-1000 1000 1640 3280	B-100 U-305 305 500 1000	6.1 18.7 18.7 30.9 61.7	2.8 8.5 8.5 14.0 28.0	0.51 mm 24 AWG Solid BC	0.035	0.90	Non- Bonded-Pair Unshielded U/UTP	0.197	5.00	1	2.1	62.0	60.2	61.0	63.2	20.0	
												4	4.0	53.0	49.3	49.0	52.3	23.0	
												8	5.7	49.0	43.1	43.0	46.1	24.5	
												10	6.3	47.0	41.0	41.0	44.0	25.0	
												16	8.0	44.0	36.2	37.0	39.2	25.0	
												20	9.0	43.0	33.8	35.0	36.8	23.6	
												25	10.1	41.0	31.2	33.0	34.2	24.3	
												31.25	11.4	40.0	28.5	31.0	31.5	23.6	
												62.5	16.5	35.0	18.8	25.0	21.8	21.5	
												100	21.3	32.0	11.0	21.0	14.0	20.1	
Input Impedance ( ) 100 + 15%										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									

<b>DataTwist® Cat 5e+ • 24 AWG • Solid 0.5 mm Bare Copper Conductors • Rip Cord</b>																			
<b>Polyolefin Insulation • PVC Jacket (Red, Orange, Yellow, Green, White, Blue and Dark Grey)</b>																			
<p>Rip Cord</p> <p>4-Pair</p>	1500A	NEC: CM CEC: CM	A-1000 1000	A-305 305	26.0 22.9	11.8 10.4	0.51 mm 24 AWG Solid BC	0.035	0.89	Non- Bonded-Pair Unshielded U/UTP	0.190	4.83	1	2.0	65.3	63.3	60.8	-	20.0
													4	4.0	56.3	52.3	48.7	-	23.0
													8	5.7	51.8	46.1	42.7	-	24.5
													10	6.4	50.3	43.9	40.8	-	25.0
													16	8.1	47.3	39.1	36.7	-	25.0
													25	10.3	44.3	34.1	32.8	-	24.3
													31.25	11.6	42.9	31.3	30.9	-	23.6
													62.5	16.8	38.4	21.6	24.8	-	21.5
													100	21.7	35.3	17.1	20.8	-	20.1
													155	27.7	32.5	4.7	16.9	-	19.0
200	32.0	30.8	3.0	14.7	-	19.0													
250	36.4	29.3	-	12.8	-	18.0													
300	44.3	27.2	-	9.9	-	17.0													
Input Impedance ( ) 1-16: 100 + 12%										Color Code: see chart below									
25-100: + 15%										Applicable industry standards: EN 50173, ISO/IEC 11801, TIA/EIA 568-B2									
155: + 18%																			
200-250: + 20%																			
350: + 22%																			

<b>DataTwist® Cat 6 • 23 AWG • Solid 0.6 mm Bare Copper Conductors • Central Rod Filler • Rip Cord</b>																																
<b>Polyolefin Insulation • PVC Jacket (Red, Orange, Yellow, Green, White, Blue and Dark Grey)</b>																																
<p>Rip Cord</p> <p>4-Pair</p>	7881A	NEC: CM CEC: CMR FT4	A-1000 1000	A-305 305	33.1 30.0	15.0 13.6	0.57 mm 23 AWG Solid BC	0.043	1.09	Non- Bonded-Pair Unshielded U/UTP	0.235	5.97	1	2.0	72.3	70.3	64.8	-	20.0													
													10	6.0	57.3	51.3	44.8	-	25.0													
													20	8.5	52.8	44.3	38.7	-	25.0													
													31.25	10.7	49.9	39.2	34.9	-	23.6													
													62.5	15.4	45.4	30.0	28.8	-	21.5													
													100	19.8	42.3	22.5	24.8	-	20.1													
													200	29.0	37.8	8.8	18.7	-	18.0													
													250	32.8	36.3	3.5	16.8	-	17.3													
													Input Impedance ( ) 1-100: 100 + 15%										Color Code: see chart below									
													200: + 22%										Applicable industry standards: EN 50173, ISO/IEC 11801, TIA/EIA 568-B2									
250: + 32%																																

BC = Bare Copper • 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

### Security Composite Cables

#### Video Control System Cables



De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Shielding Material	Nominal OD		Compo- nent	Description	Shielding Material & Nom. DCR	Insulation Material & Colors	Component Jacket Material & Colors	Component Insulation OD	
			ft.	m	lbs.	kg		inch	mm						inch	mm

Composite • (3) Conductor 20 AWG • (1) Coax Solid 0.6 mm Bare Copper • 55% Tinned Copper Braid • (9) Conductor 20 AWG

PVC Insulation (Conductors) • Gas-Injected PE Insulation (Coax) • Grey PVC Jacket																
	SEC0005		328	100	48.5	22.0	Unshielded	0.472	12.00	Power	3 Conductor 20 AWG 1.00 mm (20x0.243) BC	Unshielded	PVC	PVC	0.085	2.17
										Coax	23 AWG 0.58 mm Solid BC	55% TC Braid	PE 3.70 mm	PVC	0.146	3.70
											Control	9 Conductor 22 AWG 0.75 mm (22x0.193) BC	Unshielded	PVC	PVC	0.070

Composite • (2) Conductor 16 AWG • (3) Pair 28 AWG

PVC Insulation • Grey PVC Jacket																
	SEC0006		328	100	26.5	12.0	Unshielded	0.374	9.50	Power	2 Conductor 16 AWG 1.50 mm (30x0.25) BC	Unshielded	PVC	PVC	0.101	2.56
										Control	3-Pair 28 AWG 0.35 mm (11x0.193) BC	Unshielded	PVC	PVC	0.056	1.42

Composite • (2) Conductor 22 AWG • (1) Coax Solid 0.75 mm BC • 80% Tinned Copper Braid • (6) Conductor 26 AWG • (3) Pair 28 AWG

PVC Insulation (Conductors) • Gas-Injected PE Insulation (Coax) • Grey PVC Jacket																
	SEC0007		328	100	36.4	16.5	Unshielded	0.421	10.70	Power	2 Conductor 22 AWG 0.75 mm (22x0.193) BC	Unshielded	PE	PVC	0.070	1.77
										Coax	21 AWG 0.75 mm Solid BC	80% TC Braid	PE	PVC	0.134	3.40
										Data	6 Conductor 26 AWG 0.50 mm (16x0.193) BC	Unshielded	PE	PVC	0.062	1.57
										Control	3-Pair 28 AWG 0.35 mm (11x0.193) BC	Unshielded	PE	PVC	0.056	1.42

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

## Security Composite Cables

### Banana Peel® PTZ Camera Cable Composite Cables Jacketless



De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Shielding Material	Nominal OD		Compo- nent	Description	Shielding Material & Nom. DCR	Insulation Material & Colors	Component Jacket Material & Colors	Component OD	
			ft.	m	lbs.	kg		inch	mm						inch	mm

Composite • **(1) Coax** 20 AWG 0.8 mm • **(1) Pair Unshielded** 23 AWG 0.6 mm • **(2) CDR Unshielded** 18 AWG 1.2 mm • **Banana Peel®**  
Unjacketed, Bonded to Central Spline

PVC Insulation (Pairs) • Foam Insulation (Coax) • Black PVC Jacket																	
300V 75°C	500PTZ	NEC:	500	152	36.8	17.5	0.409	10.40	Video	1-Coax RG59/U 20 AWG 0.81 mm Solid BC	95% BC	Foam Polyethylene 5.76 mm	F-R PV Black	0.227	5.77		
		CMR	1000	305	71.2	32.3											
		CEC: CMG FT4 Shaft UL 1666															
Kötter approved																	

Composite • **(1) Coax** 20 AWG 0.8 mm • **(1) Pair Shielded** 22 AWG 0.6 mm • 22 AWG Drain Wire • **(2) CDR Unshielded** 18 AWG 1.2 mm •  
**Banana Peel®** Unjacketed, Bonded to Central Spline

PVC Insulation (Pairs) • Foam Insulation (Coax) • Black PVC Jacket																	
300V 75°C	501PTZ	NEC:	500	152	41.0	18.6	0.417	10.60	Video	1-Coax RG59/U 20 AWG 0.81 mm Solid BC	95% BC	Foam Polyethylene 5.76 mm	F-R PV Black	0.219	5.57		
		CMR	1000	305	76.1	34.5											
		CEC: CMG FT4 Shaft UL 1666															
Kötter approved																	

Composite • **(1) Coax** 20 AWG 0.8 mm • **(1) Pair Shielded** 18 AWG 1.2 mm • 20 AWG Drain Wire • **(2) CDR Unshielded** 18 AWG 1.2 mm •  
**Banana Peel®** Unjacketed, Bonded to Central Spline

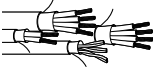
PVC Insulation (Pairs) • Foam Insulation (Coax) • Black PVC Jacket																	
300V 75°C	502PTZ	NEC:	500	152	50.0	22.7	0.453	11.50	Video	1-Coax RG59/U 20 AWG 0.81 mm Solid BC	95% BC	Foam Polyethylene 5.76 mm	F-R PV Black	0.219	5.57		
		CMR	1000	305	93.9	42.6											
		CEC: CMG FT4 Shaft UL 1666															
Kötter approved																	

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

### Security Composite Cables

#### Banana Peel® Access Control Composite Cables Jacketless



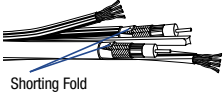
De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Shielding Material	Nominal OD		Compo- nent	Description	Shielding Material & Nom. DCR	Insulation Material & Colors	Component Jacket Material & Colors	Component OD	
			ft.	m	lbs.	kg		inch	mm						inch	mm
Composite • <b>4 CDR Beldfoil®</b> 18 AWG 1.22 mm • <b>3 Pair Beldfoil®</b> 22 AWG 0.8 mm • <b>2 CDR Beldfoil®</b> 22 AWG 0.8 mm • <b>4 CDR Beldfoil®</b> 22 AWG 0.8 mm • <b>Banana Peel®</b> Unjacketed, Bonded Central Spline																
<b>PVC Insulation (Pairs) • Foam Insulation (Coax) • Black PVC Jacket</b>																
 Kötter approved	300V 75°C	<b>558AFS</b>	NEC: CMR CEC: CMG	500 1000	152 305	58.4 108.0	26.5 49.0	White, Black, Red, Green	0.448 11.38	Lock Power	4-Conductor 18 AWG 1.22 mm (7x26) BC	Overall Beldfoil®	PVC 2.89 mm	PVC Grey	0.202	5.13
								White & Green, Orange & Brown, Red & Black		Card Reader	3-Pair 22 AWG 0.76 mm (7x30) BC	Overall Beldfoil®	PVC 1.25 mm	PVC Orange	0.233	5.92
								Black, Red		Door Contact	2-Conductor 22 AWG 0.76 mm (7x30) BC	Overall Beldfoil®	PVC 2.00 mm	PVC White	0.140	3.56
								White, Black, Red, Green		Rex/ Spare	4-Conductor 22 AWG 0.76 mm (7x30) BC	Overall Beldfoil®	PVC 2.00 mm	PVC Blue	0.161	4.09

BC = Bare Copper • DCR = DC resistance

**Composite Data, Audio, Video, Security and Control Cables****Banana Peel® Jacketless Cables****Category 5e**

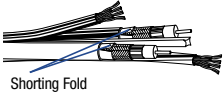
De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Color Code	Nominal Insulation OD		Compo- nent	Description	Shielding Material & Nom. DCR	Insulation Material & Colors	Component Jacket Material & Colors	Core OD	
			ft.	m	lbs.	kg		inch	mm						inch	mm

Composite • **(2) Cat 5e** 4-Bonded-Pair UTP 24 AWG • **(2) Series 6 Coax** with **Duobond® Plus** (Bonded Tri-Shield) •  
**Banana Peel® Unjacketed**, Bonded to Central Spline

Polyolefin Insulation (Pairs) • Gas-Injected FPE Insulation (Coax) • F-R PVC Jacket • No Overall Jacket															
<b>7876S</b>	NEC:	500	152	63.1	28.6	0.550	13.97	2xData	4-Pair UTP Bonded-Pairs 24 AWG 0.5 mm Solid BC	Unshielded	Polyolefin	F-R PVC (1) Blue (1) Green	0.204	5.18	
	CMR:	1000	305	119.0	54.0										
	CEC:														
	CMG FT4														
 Shorting Fold															
								2xCoax	Series 6 18 AWG 1.0 mm Solid BC	Duobond® Plus + 77% AL Braid + AL Foil w/shorting fold	Gas-Injected Foam Polyethylene	F-R PVC (1) Black (1) White	0.275	6.99	

Third party verified to TIA/EIA-568-B.2, Category 5e  
U.S. Patents 7,049,523; 5,606,151; 5,734,126.  
Coax sweep tested to 3.0 GHz and jacket sequentially marked.  
Coax shield effectiveness 125 dB @ 1 GHz is better than quad shield.

Composite • **(2) Cat 5e** 4-Bonded-Pair UTP 24 AWG • **(2) Series 6 Coax** with **Duobond® Plus (1) 2-Fiber LANlite®** •  
**Banana Peel® Unjacketed**, Bonded to Central Spline

Polyolefin Insulation (Pairs) • Gas-Injected FPE Insulation (Coax) • F-R PVC Jacket • No Overall Jacket															
<b>7878S</b>	NEC:	500	152	70.8	32.1	0.595	15.11	2xData	4-Pair UTP Bonded-Pairs 24 AWG 0.5 mm Solid BC	Unshielded	Polyolefin	F-R PVC (1) Blue (1) Green	0.204	5.18	
	CMR OF	1000	305	136.9	62.1										
	CEC:														
	CMG OF FT4														
 Shorting Fold															
								2xCoax	Series 6 18 AWG 1.0 mm Solid BC	Duobond® Plus + 77% AL Braid + AL Foil w/shorting fold	Gas-Injected Foam Polyethylene	F-R PVC (1) Black (1) White	0.275	6.99	
								2xFiber LANlite®	Gigabit Ethernet 62.5µ/125µ/900µ (core/clad/coating) Tight-Buffered		PVC (1) Blue (1) Orange	F-R PVC (1) Orange	0.175	4.45	

Third party verified to TIA/EIA-568-B.2, Category 5e  
U.S. Patents 7,049,523; 5,606,151; 5,734,126.  
Coax sweep tested to 3.0 GHz and jacket sequentially marked.  
Coax shield effectiveness 125 dB @ 1 GHz is better than quad shield.

BC = Bare Copper • AL = Aluminum • DCR = DC resistance

Duobond® Plus see technical information page 23.13.

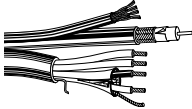
**Color Code**

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

**Composite Data, Audio, Video, Security and Control Cables****Banana Peel® Jacketless Cables****Category 5e**

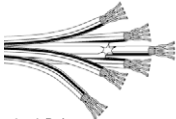
De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Color Code	Nominal Insulation OD		Compo- nent	Description	Shielding Material & Nom. DCR	Insulation Material & Colors	Component Jacket Material & Colors	Core OD	
			ft.	m	lbs.	kg		inch	mm						inch	mm

Composite • **(1) NanoSkew™** 4-Non-Bonded-Pair UTP 24 AWG • **(1) RG59 Coax** with **Duofoil® (1) 1502R** •  
**Banana Peel® Unjacketed**, Bonded to Central Spline

Polyolefin Insulation (Pairs) • Gas-Injected FPE Insulation (Coax) • Polyolefin Insulation (Control) • F-R PVC Jacket • No Overall Jacket																
	<b>YR48902</b>	NEC CMR OF CEC CMG OF FT4	1000	305	132.3	60.0		0.595	15.11	1xData 7987R	4-Pair UTP Non-Bonded-Pairs 24 AWG 0.5 mm Solid BC	Unshielded	Polyolefin	F-R PVC	0.195	4.95
										1xCoax 1505A	0.8 mm 20 AWG Solid BC	Duofoil® 100% 95% TC Braid	Gas-Injected HPDE	F-R PVC Black	0.233	5.92
										1xControl 1502R	1-Pair 22 AWG 0.8 mm (7x30) TC 2 Conductors 18 AWG 1.2 mm (16x30) TC	Unshielded	Foam HPDE	F-R PVC Green	0.250	6.35

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

**(6) Cat 5e** 4-Bonded-Pair UTP 24 AWG • Solid 0.5 mm BC • Rip Cord • **Banana Peel® Unjacketed**, Bonded to Central Spline

Polyolefin Insulation • Numbered F-R PVC Jackets (Light Blue or Grey) • No Overall Jacket																
	<b>1700S6</b>	CMR CMG	500 1000	152 305	77.6 149.3	35.2 67.7		0.600	15.24	6xData	4-Pair UTP Bonded-Pairs 24 AWG 0.5 mm Solid BC	Unshielded	Polyolefin	F-R PVC	0.204	5.18

6x4 Pairs

1-20 MHz Ohm 100 + 12%  
 21-100 MHz + 15%  
 101-155 MHz + 18%  
 156-310 MHz + 20%  
 311-350 MHz + 22%

Third party verified to TIA/EIA-568-B.2, Category 5e

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

Duofoil® see technical information page 23.13.

**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

**Composite Data, Audio, Video, Security and Control Cables**

Siamese Cables

Category 5e and Category 5



De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Color Code	Nominal Insulation OD		Compo- nent	Description	Shielding Material & Nom. DCR	Insulation Material & Colors	Component Jacket Material & Colors	Core OD	
			ft.	m	lbs.	kg		inch	mm						inch	mm

Composite • (1) Cat 5e 4-Bonded-Pair UTP 24 AWG • (1) Series 6 Coax with Duobond® Plus Bonded Tri-Shield

Polyolefin Insulation (Pairs) • Gas-Injected FPE Insulation (Coax) • Overall Green F-R PVC Jacket																
 Shorting Fold Siamese Construction	7911A	NEC:	500	152	35.1	15.9		0.275	6.99	1xData	4-Pair UTP	Unshielded	Polyolefin	F-R PVC (1) Green	0.200	5.08
		CMR:	1000	305	60.0	27.2		x	x		Bonded-Pairs					
		CEC:						0.529	13.44		24 AWG					
		CMG FT4									0.5 mm					
										1xCoax	Series 6	Duobond® Plus	Gas-Injected	F-R PVC	0.275	6.99
											18 AWG	+ 77% AL	Foam	(1) Green		
											1.0 mm	Braid	Polyethylene			
											Solid BC	+ AL Foil				
												w/shorting fold				

Third party verified to TIA/EIA-568-B.2, Category 5e  
Coax sweep tested to 3.0 GHz and jacket sequentially marked.  
Coax shield effectiveness 125 dB @ 1 GHz is better than quad shield.

Composite • (1) Cat 5 4-Pair UTP 24 AWG • (4) 14 AWG (19x27) 1.85 mm Bare Copper Conductors

Polyolefin Insulation (Pairs) • PVC Insulation (Conductors) • Overall Green F-R PVC Jacket																
	7952A	NEC:	500	152	58.0	26.3		0.289	7.34	1xData	4-Pair UTP	Unshielded	Polyolefin	F-R PVC (1) Blue	0.216	5.49
		CMR:						x	x		24 AWG					
		CEC:						0.535	13.59		0.5 mm					
		CMG FT4									Solid BC					
										4xCDR	Series 6	Unshielded	PVC	-	0.104	2.64
										4x1.93 mm <sup>2</sup>	14 AWG		Red			
											1.85 mm		White			
											(19x27) BC		Green			
													Black			

Third party verified to TIA/EIA-568-B.2, Category 5  
Jacket sequentially marked.

De- scription	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		Freq. MHz	Max. Atten. dB/100m	Min. PSUM			Input Imp. ( )	Min. RL dB
			ft.	m	lbs.	kg		inch	mm		inch	mm			NEXT dB	ACR dB/100m	ELFEXT dB/100m		

Cat 5e • 24 AWG • Unbonded-Pairs • Solid 0.5 mm BC • Overall Beldfoil® Shield • Rip Cord • 24 AWG TC Drain Wire • Overall TC Braid

Polyolefin Insulation • PVC Grey Jacket																				
	1668ES	B-164	B-50	10.6	4.8	0.51 mm	0.043	1.10	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	64.4	29.2	24 AWG								4	4.0	53.0	49.3	49.0	100 ± 15	23.0
		1640	500	105.8	48.0	Solid BC								8	5.7	49.0	43.1	43.0	100 ± 15	24.5
														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  
Applicable industry standards: EN 50173, ISO/IEC 11801

8-Pair, Twin

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

Duobond® Plus see technical information page 23.13.

**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