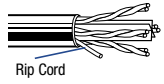


DataTwist® 600e U/UTP Cables
 TIA/EIA-568-B.2-1, Category 6,
 Enhanced Category 6 Bonded-Pair Cables

Certified System 4800LX

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 6 • 23 AWG • Bonded-Pair • Solid 0.6 mm Bare Copper • Patented E-Spline Center Member • Rip Cord

Polyolefin Insulation • PVC Jacket (Red, Orange, Yellow, Green, Blue, Black, White and Grey)																								
 Rip Cord 4-Pair	7851A	NEC:	1000	305	37.9	17.2	0.57 mm 23 AWG Solid BC	0.044	1.13	Bonded-Pair	0.227	5.77	1	1.9	Min. PSUM			100 ± 12	20.0					
		CMR	A-1000	A-305	47.0	21.3					Unshielded	x			x	10	5.7			65.3	59.6	50.8	100 ± 12	25.0
		CEC:									U/UTP	0.315			8.00	31.25	10.2			57.9	47.7	40.9	100 ± 15	25.0
		CMR														62.5	14.7			53.4	38.7	34.9	100 ± 15	25.0
																100	18.9			50.3	31.4	30.8	100 ± 15	25.0
																155	23.9			47.5	23.5	27.0	100 ± 15	22.8
																200	27.5			45.8	18.3	24.8	100 ± 15	21.7
																250	31.2			44.3	13.2	22.8	100 ± 20	20.5
																350	37.7			40.2	4.5	19.9	100 ± 22	19.8
																400	40.6			39.3	0.6	18.8	100 ± 22	19.5
																500	46.2			37.8	> 0*	16.8	100 ± 22	18.4
																550	48.8			37.2	-	16.0	100 ± 22	18.0
								600	51.4	36.6	-	15.2	100 ± 22	17.6										

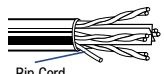
Color Code: see chart below

Third party verified to TIA/EIA-568-B.2-1, Category 6
 U.S. Patents 5,606,151; 5,734,126; 5,789,711 and 6,297,454-B1
 Jacket sequentially marked at 0.6 m intervals. Features descending length marking.

Polyolefin Insulation • Grey Haloarrest® Jacket																				
 Rip Cord 4-Pair	7851NH	NEC:	1000	305	39.0	17.7	0.57 mm 23 AWG Solid BC	0.044	1.13	Bonded-Pair	0.241	6.12	Min. PSUM			100 ± 12	20.0			
		CMR	A-1000	A-305	48.1	21.8					Unshielded	x	x	10	5.7			65.3	59.6	50.8
		CEC:								U/UTP	0.329	8.36								

Color Code: see chart below

Third party verified to TIA/EIA-568-B.2-1, Category 6
 U.S. Patents 5,606,151; 5,734,126; 5,789,711 and 6,297,454-B1
 Jacket sequentially marked at 1 m intervals. Features descending length marking.

Plenum • FEP Teflon® Insulation • Flammarrest® Jacket (Red, Orange, Yellow, Green, Blue, Black, White and Grey)																				
 Rip Cord 4-Pair	7852A	NEC:	1000	305	39.9	18.1	0.57 mm 23 AWG Solid BC	0.043	1.08	Bonded-Pair	0.218	5.54	Min. PSUM			100 ± 12	20.0			
		CMP	A-1000	A-305	48.9	22.2					Unshielded	x	x	10	5.7			65.3	59.6	50.8
		CEC:								U/UTP	0.290	7.37								

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

Third party verified to TIA/EIA-568-B.2-1, Category 6
 U.S. Patents 5,606,151; 5,734,126; 5,789,711 and 6,297,454-B1
 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
 * PSUM ACR > 0 is guaranteed to 460 MHz.

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

DataTwist 600e: Beyond Category 6

Belden DataTwist 600e data cable is a revolutionary UTP cable engineered specifically to perform well beyond Category 6 standards. While Category 6 cable is specified only to 250 MHz, DataTwist 600e is the only Cat 6 UTP cable in the industry fully characterized with guaranteed performance to 600 MHz. So users have far more headroom to compensate for unforeseen factors that can inhibit the performance of a cabling system today...and protection of their technology investment for the future.

Handy Cable Preparation Tool Speeds Installation of Bonded-Pair Cables

You know the high-performance benefits of using data cables featuring Belden's unique Bonded-Pair technology. The Belden cable preparation tool (1797B) now makes it faster and easier than ever to prepare cables for connector termination providing special features that help separate twisted pairs. The cable preparation tool is packed with every spool of DataTwist® 600e. See page 15.37 for more information.



GigaFlex 4800LX Cables Series
ANSI/TIA/EIA-568-B.2-1, Category 6,
Enhanced Category 6 Non-Bonded-Pair Cables

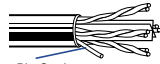
Certified System 4800LX

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 6 • 23 AWG • Solid 0.6 mm Bare Copper • Twisted Pair • Central Cross Web Filler • Rip Cord

Polyolefin Insulation • PVC Jacket

White-Reel	24586385	NEC:	1000	305	29.1	13.2	0.57 mm	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	-	
Blue-Reel	24586985	CMR					23 AWG							1	1.8	78.3	76.5	71.8	100 ± 12	20.0
		CEC:					Solid BC							4	3.4	69.3	65.9	59.7	100 ± 12	23.0
		CMR												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

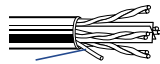
4-Pair

Color Code: see chart below

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

Polyolefin Insulation • FRNC/LSNH Polymer Alloy

Violet-Reel	24588085	NEC:	1000	305	31.1	14.1	0.57 mm	0.044	1.11	Non- Bonded-Pair Unshielded U/UTP	0.240	6.10								see above	
		CMR					23 AWG														
		CEC:					Solid BC														



Rip Cord

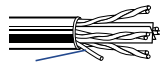
4-Pair

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 • FRNC/LSNH Polymer Alloy

White-Reel	24587385	NEC:	1000	305	30.6	13.9	0.57 mm	0.043	1.10	Non- Bonded-Pair Unshielded U/UTP	0.229	5.81								see above	
Blue-Reel	24587985	CMP					23 AWG														
		CEC:					Solid BC														



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.

Color Code

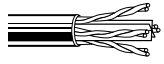
Pair No.	Color
1	White/Blue Stripe, Blue
2	White/Orange Stripe, Orange
3	White/Green Stripe, Green
4	White/Brown Stripe, Brown

Category 6 U/UTP Cables

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

Certified System 2400

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 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

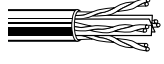


4-Pair

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)																				
	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										



4-Pair

Color Code: see chart below

Burning Energy: 535 kJ/m
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**

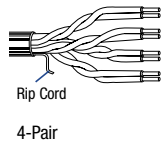
See page 15.37 for details.
(Part No. 1797B)

GigaFlex 2400 Cables Series

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

Certified System 2400

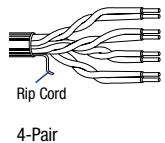
De-scription	Part No.	UL NEC / C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Freq. MHz	Max. Atten. dB/100m	Min. PSUM			Input Imp. ()	Min. RL dB	
			ft.	m	lbs.	kg		inch	mm		inch	mm			NEXT dB	ACR dB/100m	ELFEXT dB/100m			
Cat 6 • 24 AWG • Solid 0.5 mm Bare Copper • Twisted Pair • Rip Cord																				
Polyolefin Insulation • PVC Jacket																				
White †	24566315	NEC:	1000	305	26.0	11.8	0.51 mm	0.042	1.06	Non-Bonded-Pair Unshielded U/UTP	0.214	5.44	0.772	1.8	75.0	73.2	70.0	100 ± 15	19.7	
Blue †	24566915	CMR					24 AWG							1	2.0	73.3	71.3	67.8	100 ± 15	20.0
White	24566345	CEC:					Solid BC							4	3.7	64.3	60.6	55.8	100 ± 15	23.0
Blue	24566945	CMR												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



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.

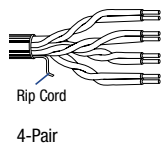
Polyolefin Insulation • FRNC/LSNH Polymer Alloy																					
Violet-Reel	24568005	NEC:	1000	305	28.0	12.7	0.51 mm	0.043	1.08	Non-Bonded-Pair Unshielded U/UTP	0.214	5.44								see above	
Violet-Box	24568015	CMR	1000	305	28.0	12.7	24 AWG														
White-Box	24568315	CEC:	1000	305	28.0	12.7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



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-Bonded-Pair Unshielded U/UTP	0.210	5.33								see above	
Blue †	24567915	CMR					24 AWG														
White	24567345	CEC:					Solid BC														
Blue	24567945	CMR																			



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.

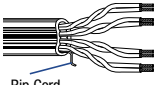
BC = Bare Copper • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • DCR = DC resistance
* Values provided for information only.
† Reel-in-Box

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

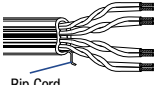
MediaTwist® U/UTP Cables
TIA/EIA-568-B.2-1, Category 6,
Enhanced Category 6 Bonded-Pair Cables

Certified System 2400

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 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)																																			
 Rip Cord 4-Pair	1872A	NEC:	1000	305	37.0	16.8	0.57 mm 23 AWG Solid BC	0.042	1.06	Bonded-Pair Unshielded U/UTP	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														x	x	4	3.7	63.3	59.0	52.8	100 ± 12	23.0							
		CEC:																																	
		CMR																																	

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)																																				
 Rip Cord 4-Pair	1874A	NEC:	1000	305	37.0	16.8	0.57 mm 23 AWG Solid BC	0.039	1.00	Bonded-Pair Unshielded U/UTP	0.365	9.27								see above																
		CMP	A-1000	A-305	37.9	17.2															x	x														
		CEC:																																		
		CMP																																		

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

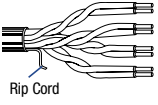
TIA/EIA-568-B.2, Category 5e,
Enhanced Category 5e Bonded-Pair Cables

Certified System 1200

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 • Bonded-Pair • Solid 0.5 mm Bare Copper • Rip Cord

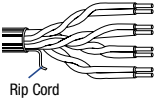
Polyolefin Insulation • PVC Jacket (Red, Orange, White, Black, Yellow, Green, Blue, Violet, Light Grey and Grey)

 <p>Rip Cord</p> <p>4-Pair</p>	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											

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

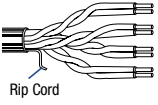
Polyolefin Insulation • PVC Jacket (Grey and Blue)

 <p>Rip Cord</p> <p>4-Pair</p>	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														

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)

 <p>Rip Cord</p> <p>4-Pair</p>	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														

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

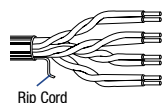
Get the Bonded-Pairs Cable Preparation Tool

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



GigaFlex 1200 Cables SeriesANSI/TIA/EIA-568-B.2, Category 5e,
Enhanced Category 5e Non-Bonded-Pair Cables**Certified System 1200**

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 • Solid 0.5 mm Bare Copper • Twisted Pair • Rip Cord																					
Polyolefin Insulation • PVC Jacket																					
White, Box	24570166	NEC:	1000	305	24.0	10.9	0.51 mm	0.035	0.89	Non- Bonded-Pair Unshielded U/UTP	0.186	4.72	0.772	1.8	69.0	67.3	63.0	100 ± 15	-		
Blue, Box	24570161	CMR					24 AWG								1	2.0	67.3	65.3	60.8	100 ± 15	20.0
White, Reel	24570460	CEC:					Solid BC								4	4.0	58.3	54.3	48.7	100 ± 15	23.0
Blue, Reel	24570452	CMR													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	

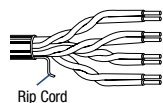


Rip Cord

Color Code: see chart below

Third party verified to TIA/EIA-568-B.2, Category 5e
Jacket sequentially marked 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- Bonded-Pair Unshielded U/UTP	0.198	5.03								see above	
White, Box	24598301	CMR	1000	305	24.9	11.3	24 AWG														
White, Reel	24598331	CEC:	1640	500	40.8	18.5	Solid BC														



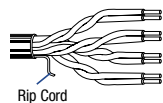
Rip Cord

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- Bonded-Pair Unshielded U/UTP	0.188	4.78								see above	
Blue, Box	24570800	CMP					24 AWG														
White, Reel	24570808	CEC:					Solid BC														
Blue, Reel	24570812	CMP																			



Rip Cord

4-Pair

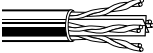
Color Code: see chart below

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

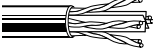
DataTwist® 6 U/UTP Cables

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

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 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 23 AWG Solid BC	0.040	1.01	Non- Bonded-Pair Unshielded U/UTP	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							4	3.8	63.0	59.4	53.0	100 ± 15	23.0
			1000	305	28.9	13.1							10	6.0	57.0	51.3	45.0	100 ± 15	25.0
			1640	500	47.4	21.5							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 23 AWG Solid BC	0.040	1.01	Non- Bonded-Pair Unshielded U/UTP	0.244	6.20	see above						
			1000	305	28.9	13.1													
			1640	500	47.4	21.5													
			3280	1000	94.8	43.0													
4-Pair	Color Code: see chart below										Applicable industry standards: EN 50173, ISO/IEC 11801, TIA/EIA 568-B2 Burning Energy: 478 kJ/m								

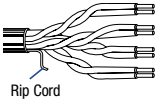
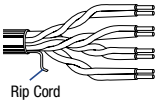
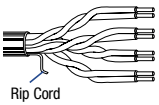
BC = Bare Copper • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • DCR = DC resistance

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

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 • 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 24 AWG Solid BC	0.037	0.93	Non- Bonded-Pair Unshielded U/UTP	0.195	4.95	1	2.0	62.3	60.3	60.8	100 ± 15	20.0						
		CM	1000	305	20.9	9.5									4	4.1	53.3	49.2	48.7	100 ± 15	23.0				
		CEC:	1640	500	34.6	15.7									10	6.5	47.3	40.8	40.8	100 ± 15	25.0				
		CM	3000	914	63.1	28.6									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														
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.																	
500 m put-up available in Dark Grey or Blue only.																									
914 m put-up available in Dark Grey, White or Blue only.																									
Polyolefin Insulation • PVC Jacket (Grey and Blue)																									
	1583E	B-328	B-100	6.1	2.8	0.51 mm 24 AWG Solid BC	0.037	0.93	Non- Bonded-Pair Unshielded U/UTP	0.197	5.00	see above													
		U-1000	U-305	18.7	8.5																				
		1000	305	18.7	8.5																				
		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																	
500 m put-up available in Grey only.																									
Polyolefin Insulation • FRNC/LSNH Jacket (Grey and Blue)																									
	1583ENH	CSA FT1	B-328	B-100	6.1	2.8	0.51 mm 24 AWG Solid BC	0.037	0.93	Non- Bonded-Pair Unshielded U/UTP	0.197	5.00	see above												
		UL CM	U-1000	U-305	18.7	8.5																			
		UL ISDI	1000	305	18.7	8.5																			
		(Vertical Tray)	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 Burning Energy: 310 kJ/m																	
1000 m put-up available in Grey only.																									
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 24 AWG Solid BC	0.034	0.87	Non- Bonded-Pair Unshielded U/UTP	0.220	5.58	see above												
		CMR/CMX																							
		CEC:																							
		CMR/CMX																							
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 24 AWG Solid BC	0.041	1.04	Non- Bonded-Pair Unshielded U/UTP	0.251	6.38	1	2.0	68.3	66.3	64.8	100 ± 15	20.0							
																		4	4.0	59.3	55.3	52.8	100 ± 15	23.0	
																			10	6.4	53.3	46.9	44.8	100 ± 15	25.0
																			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								
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

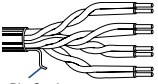
DataTwist® 5e U/UTP Cables

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

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		

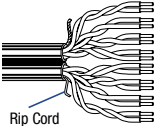
Cat 5e • 24 AWG • Solid 0.5 mm Bare Copper • Twisted Pair

Plenum • FEP Teflon® Insulation • Flammarrest® Jacket (Red, Orange, Yellow, Green, Grey, White, Black, Pink, Natural and Blue)

 <p>Rip Cord</p>	1585A NEC: CMP CEC: CMP FT6	U-1000	U-305	23.1	10.5	0.51 mm	0.035	0.88	Non- Bonded-Pair Unshielded U/UTP	0.198	5.03	1	2.0	62.3	60.3	60.8	100 ± 15	20.0		
		1000	305	24.0	10.9	24 AWG								4	4.1	53.3	49.2	48.7	100 ± 15	23.0
		3000	915	69.2	31.4	Solid BC								10	6.5	47.3	40.8	40.8	100 ± 15	25.0
														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									

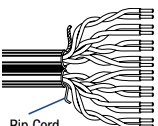
Color Code: see chart below
 915 m put-up available in Natural or Blue only.
 Third party verified to TIA/EIA-568-B.2, Category 5e
 Jacket sequentially marked at 0.6 m intervals.

Polyolefin Insulation • Grey PVC Jacket

 <p>Rip Cord</p>	1667E CSA FT1 UL CM UL ISDI (Vertical Tray)	B-328	B-100	12.3	5.6	0.51 mm	0.035	0.89	Non- Bonded-Pair Unshielded U/UTP	0.197	5.00	1	2.1	62.0	60.2	61.0	100 ± 15	20.0				
		1000	305	37.5	17.0	24 AWG								x	x	4	4.0	53.0	49.3	49.0	100 ± 15	23.0
		1640	500	61.7	28.0	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	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											

Color Code: see chart below
 Applicable industry standards: EN 50173, ISO/IEC 11801, TIA/EIA 568-B2

Polyolefin Insulation • Grey FRNC/LSNH Jacket

 <p>Rip Cord</p>	1667ENH CSA FT1 UL CM UL ISDI (Vertical Tray)	B-328	B-100	12.3	5.6	0.51 mm	0.035	0.89	Non- Bonded-Pair Unshielded U/UTP	0.197	5.00	1	2.1	62.0	60.2	61.0	100 ± 15	20.0							
		1000	305	37.5	17.0	24 AWG													x	x					
		1640	500	61.7	28.0	Solid BC													8	5.7	49.0	43.1	43.0	100 ± 15	24.5
		3280	1000	123.5	56.0														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

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.

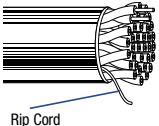
Color Code

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,

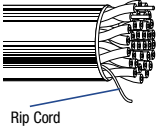
Enhanced Category 5e, Non-Bonded-Pair Cables

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 • 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
 <p>Rip Cord</p>													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

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												
 <p>Rip Cord</p>																																
													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	Pair No.	Tip	Ring
1	White	Blue	16	Yellow	Blue
2	White	Orange	27	Yellow	Orange
3	White	Green	38	Yellow	Green
4	White	Brown	49	Yellow	Brown
5	White	Slate	20	Yellow	Slate
6	Red	Blue	21	Violet	Blue
7	Red	Orange	22	Violet	Orange
8	Red	Green	23	Violet	Green
9	Red	Brown	24	Violet	Brown
10	Red	Slate	25	Violet	Slate
11	Black	Blue			
12	Black	Orange			
13	Black	Green			
14	Black	Brown			
15	Black	Slate			


DataTwist® 350 Composite U/UTP Cables


ANSI/TIA/EIA-568-B.2, Category 5e,

Banana Peel® Jacketless 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		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 • Bonded-Pair • Solid 0.5 mm Bare Copper • Rip Cord

Polyolefin Insulation • PVC Inner Jacket (Light Blue and Grey) • No Overall Jacket																																	
 24-Pair	1700S6 NEC: CMR CEC: CMG	500	152	77.6	35.2	0.51 mm 24 AWG Solid BC	0.038 0.97	Bonded-Pair Unshielded U/UTP	0.204 5.18	1 10 16 31.25 62.5 100 200 250 350	2.0 6.4 8.1 11.6 16.8 21.7 32.0 36.4 44.3	65.3 50.3 47.3 42.9 38.4 35.3 30.8 29.3 27.2	63.3 43.9 39.1 31.3 21.6 17.1 3.0 > 0 -	60.8 40.8 36.7 30.9 24.9 20.8 14.7 12.8 9.9	100 ± 12 100 ± 12 100 ± 12 100 ± 15 100 ± 15 100 ± 15 100 ± 20 100 ± 20 100 ± 22	20.0 25.0 25.0 23.6 21.5 20.1 19.0 18.0 17.0																	
		1000	305	149.1	67.7																												
		Color Code: see chart below																															
		Individual leg is third party verified to ANSI/TIA/EIA 568-B.2, Category 5e U.S. Patents 5,606,151; 5,734,126; 7,049,523.																															

Plenum • FEP Insulation • Flamarrest® Inner Jacket (Blue and Natural) • No Overall Jacket																			
 24-Pair	1701S6 NEC: CMP CEC: CMP	500	152	81.6	37.0	0.51 mm 24 AWG Solid BC	0.036 0.91	Bonded-Pair Unshielded U/UTP	0.195 4.95										see above
		1000	305	157.1	71.3														
		Color Code: see chart below																	
Individual leg is third party verified to ANSI/TIA/EIA 568-B.2, Category 5e U.S. Patents 5,606,151; 5,734,126; 7,049,523.																			

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

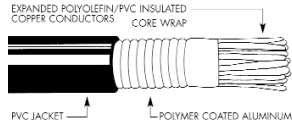
Color Code

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

Data Grade Armored Riser 25-Pair U/UTP Cables

TIA/EIA-568-A, Category 5,
Non-Bonded-Pair 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		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 5 • 24 AWG • Solid 0.5 mm Bare Copper • Twisted Pair • Rip Cord																				
Flame Retardant Polymer Insulation • ALVYAN Sheath • PVC Jacket																				
Grey, Reel	25500027	NEC:	8200	2500	205.0	93.0	0.51 mm	0.039	0.98	Non- Bonded-Pair Unshielded U/UTP	0.618	15.70	0.772	1.8	64.0	-	-	100 ± 15	-	
Grey, Reel	25500028	CMR				24 AWG								1	2.1	62.3	-	-	100 ± 15	23.0
		CEC:				Solid BC								4	4.3	53.3	-	-	100 ± 15	23.0
		CMR												8	5.9	48.8	-	-	100 ± 15	23.0
														10	6.6	47.3	-	-	100 ± 15	23.0
														16	8.2	44.3	-	-	100 ± 15	23.0
														20	9.2	42.8	-	-	100 ± 15	23.0
														25	10.5	41.3	-	-	100 ± 15	22.0
														31.25	11.8	40.9	-	-	100 ± 15	21.0
														62.5	17.1	35.4	-	-	100 ± 15	18.0
													100	22.0	32.3	-	-	100 ± 15	16.0	



25-Pair

Color Code: see chart below

Third party verified to TIA/EIA-568-A, Category 5
Jacket sequentially marked at 0.6 m intervals. Featuring 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

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

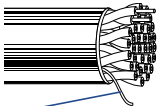
Pair No.	Tip	Ring
16	Yellow	Blue
27	Yellow	Orange
38	Yellow	Green
49	Yellow	Brown
20	Yellow	Slate
21	Violet	Blue
22	Violet	Orange
23	Violet	Green
24	Violet	Brown
25	Violet	Slate

DataTwist® 5 U/UTP Cables

TIA/EIA-568-A, Category 5,
Non-Bonded-Pair Cables

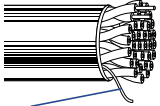
De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Freq. MHz	Max. Atten. dB/100m	Min. PSUM			Input Imp. ()	Min. RL dB
			ft.	m	lbs.	kg		inch	mm		inch	mm			NEXT dB	ACR dB/100m	ELFEXT dB/100m		

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

Polyolefin Insulation • PVC Jacket (Light Grey and Blue)																			
 Rip Cord	1864A	NEC: CMR CEC: CMR FT4	1000	305	144.2	65.4	0.51 mm 24 AWG Solid BC	0.041	1.03	Non- Bonded-Pair Unshielded U/UTP	0.526	13.36	1	2.0	62.3	-	-	100 ± 15	23.0
													10	6.5	47.3	-	-	100 ± 15	23.0
													16	8.2	44.3	-	-	100 ± 15	23.0
													31.25	11.7	39.9	-	-	100 ± 15	21.1
													62.5	17.1	35.4	-	-	100 ± 15	18.0
100	22.0	32.3	-	-	100 ± 15	16.0													

25-Pair Color Code: see chart below Third party verified to TIA/EIA-568-A, Category 5 Jacket sequentially marked at 0.6 m intervals.

Plenum • FEP Teflon® Insulation • FEP Jacket (Blue Tint and White Tint)

 Rip Cord	1871A	NEC: CMP CEC: CMP	1000	305	131.2	59.5	0.51 mm 24 AWG Solid BC	0.041	1.03	Non- Bonded-Pair Unshielded U/UTP	0.430	10.92	see above					
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25-Pair Color Code: see chart below Third party verified to TIA/EIA-568-A, Category 5 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 Teflon® is a DuPont trademark.

Color Code 1864A

Pair No.	Color
1	White & Blue
2	White & Orange
3	White & Green
4	White & Brown
5	White & Grey
6	Red & Blue
7	Red & Orange
8	Red & Green
9	Red & Brown
10	Red & Grey
11	Black & Blue
12	Black & Orange
13	Black & Green
14	Black & Brown
15	Black & Grey
16	Yellow & Blue
17	Yellow & Orange
18	Yellow & Green
19	Yellow & Brown
20	Yellow & Grey
21	Purple & Blue
22	Purple & Orange
23	Purple & Green
24	Purple & Brown
25	Purple & Grey

Color Code 1871A

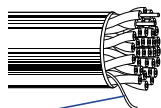
Pair No.	Color
1	White/Blue Stripe, Blue
2	White/Orange Stripe, Orange
3	White/Green Stripe, Green
4	White/Brown Stripe, Brown
5	White/Grey Stripe, Grey
6	Red/Blue Stripe, Blue
7	Red/Orange Stripe, Orange
8	Red/Green Stripe, Green
9	Red/Brown Stripe, Brown
10	Red/Grey Stripe, Grey
11	Black/Blue Stripe, Blue
12	Black/Orange Stripe, Orange
13	Black/Green Stripe, Green
14	Black/Brown Stripe, Brown
15	Black/Grey Stripe, Grey
16	Yellow/Blue Stripe, Blue
17	Yellow/Orange Stripe, Orange
18	Yellow/Green Stripe, Green
19	Yellow/Brown Stripe, Brown
20	Yellow/Grey Stripe, Grey
21	Purple/Blue Stripe, Blue
22	Purple/Orange Stripe, Orange
23	Purple/Green Stripe, Green
24	Purple/Brown Stripe, Brown
25	Purple/Grey Stripe, Grey

DataTwist® 3 U/UTP CablesTIA/EIA-568-A, Category 3,
Non-Bonded-Pair Cables

De- scription	Part No.	No. of Pairs	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		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.	dB/ 100 m

Cat 3 • 24 AWG • Solid 0.5 mm Bare Copper • Twisted Pair • Rip Cord**Polyolefin Insulation • Grey PVC Jacket**

NEC: CMR							0.51 mm	0.035	0.90	Non- Bonded-Pair			100	70%	19.0	62.3	1	7.8	2.6
CEC: CMR							24 AWG			Unshielded							4	17.0	5.6
							Solid BC			U/UTP							10	30.0	9.7
																	16	40.0	13.1



Rip Cord

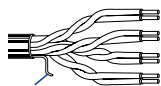
1227A1	2-Pair	U-1000	U-305	13.2	6.0							0.173	4.39						
1229A1	4-Pair	U-1000	U-305	22.0	10.0							0.197	5.00						
1232A1	25-Pair	† 1000	305	104.1	47.2							0.399	10.14						

Color Code: see chart below

Third party verified to TIA/EIA-568-A, Category 3 • Jacket sequentially marked at 0.6 m intervals.

Plenum • Low-Smoke PVC Insulation • White Low-Smoke PVC Jacket

NEC: CMP							0.51 mm	0.038	0.96	Non- Bonded-Pair			100	61%	19.0	62.3			see above
CEC: CMP							24 AWG			Unshielded									
							Solid BC			U/UTP									



Rip Cord

1243A2	2-Pair	U-1000	U-305	14.1	6.4							0.170	4.32						
1245A2	4-Pair	U-1000	U-305	22.9	10.4							0.200	5.08						

Color Code: see chart below

Third party verified to TIA/EIA-568-A, Category 3 • Jacket sequentially marked at 0.6 m intervals.

BC = Bare Copper • DCR = DC resistance

† 25-pair NEXT is Power Sum tested.

ⓧ Not RoHS compliant at time of printing.

Color Code

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

Color Code

Pair No.	Color
11	Black/Blue Stripe & Blue/Black Stripe
12	Black/Orange Stripe & Orange/Black Stripe
13	Black/Green Stripe & Green/Black Stripe
14	Black/Brown Stripe & Brown/Black Stripe
15	Black/Grey Stripe & Grey/Black Stripe
16	Yellow/Blue Stripe & Blue/Yellow Stripe
17	Yellow/Orange Stripe & Orange/Yellow Stripe
18	Yellow/Green Stripe & Green/Yellow Stripe
19	Yellow/Brown Stripe & Brown/Yellow Stripe
20	Yellow/Grey Stripe & Grey/Yellow Stripe
21	Purple/Blue Stripe & Blue/Purple Stripe
22	Purple/Orange Stripe & Orange/Purple Stripe
23	Purple/Green Stripe & Green/Purple Stripe
24	Purple/Brown Stripe & Brown/Purple Stripe
25	Purple/Grey Stripe & Grey/Purple Stripe

D-Series Multipair U/UTP Cables

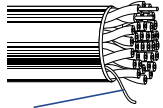
TIA/EIA-568-A, Category 3,
Non-Bonded-Pair Cables

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		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 3 • 24 AWG • Solid 0.5 mm Bare Copper • Twisted Pair • Rip Cord

Polyolefin Insulation • LSNH Jacket (Grey or Blue)

Olive Grey, Reel	0.51 mm 24 AWG Solid BC	0.031	0.80	Non- Bonded-Pair Unshielded U/UTP	1	2.6	41.0	-	-	100 ± 15	12.0
					4	5.6	32.0	-	-	100 ± 15	12.0
					8	8.5	28.0	-	-	100 ± 15	12.0
					10	9.7	26.0	-	-	100 ± 15	12.0
					16	13.1	23.0	-	-	100 ± 15	10.0



Rip Cord

NN00097	25-Pair	1000 3280	305 1000	107.4 352.0	48.8 160.0		0.417	10.60
NN00099	50-Pair	1000 3280	305 1000	199.3 653.4	90.6 297.0		0.630	16.00
NN00101	100-Pair	1575 3280	480 1000	370.4 1214.4	168.4 552.0		0.827	21.00

Color Code: see chart below

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

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

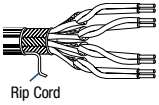
Color Code

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

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

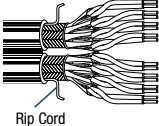
Category 7 S/FTP Cables

EN 50173, ISO/IEC 11801, TIA/EIA-568-TSB 36, Class F, Category 7,
Non-Bonded-Pair 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		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 7 • 23 AWG • Solid 0.6 mm Bare Copper • Twisted Pair • Individual Beldfoil® + Overall Tinned Copper Braid • Rip Cord																					
Foam Skin Polyolefin Insulation • PVC Jacket (Grey, Blue and Yellow)																					
 Rip Cord 4-Pair	1885ENH		B-328	B-100	13.2	6.0	0.57 mm 23 AWG Solid BC	0.057	1.45	Non- Bonded-Pair Individual Beldfoil® + Overall TC Braid S/FTP	0.315	8.00	1	2.0	75.0	73.0	75.0	100 ± 15	20.0		
			1640	500	66.1	30.0									10	3.7	75.0	71.3	75.0	100 ± 15	23.0
			3280	1000	132.3	60.0									16	5.9	75.0	69.1	71.0	100 ± 15	25.0
															16	7.4	75.0	67.6	67.0	100 ± 15	25.0
															20	8.3	75.0	66.7	65.0	100 ± 15	25.0
															31.25	10.4	75.0	64.6	61.0	100 ± 15	23.6
															62.5	14.9	72.0	57.6	55.0	100 ± 15	21.5
															100	19.0	69.0	50.4	51.0	100 ± 15	20.1
															155	24.0	67.0	42.6	47.0	100 ± 22	18.8
															200	27.5	65.0	37.4	45.0	100 ± 22	18.0
				300	34.2	62.0	28.1	41.0	100 ± 25	16.8											
				600	50.1	58.0	7.6	35.0	100 ± 25	14.7											
				1000	66.9	54.0	-	31.0	100 ± 25	13.1											

Color Code: see chart below
500 m put-up not available in Grey.

Burning Energy: 500 kJ/m

Foam Skin Polyolefin Insulation • PVC Jacket (Grey, Blue and Yellow)																			
 Rip Cord 8-Pair, Twin	1887ENH		328	100	26.5	12.0	0.57 mm 23 AWG Solid BC	0.057	1.45	Non- Bonded-Pair Individual Beldfoil® + Overall TC Braid S/FTP	0.650	16.50							see above
			1640	500	132.3	60.0													
Color Code: see chart below																			
100 m put-up available in Grey only.																			
Burning Energy: 1000 kJ/m																			

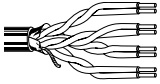
TC = Tinned Copper • BC = Bare Copper • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk •
NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • DCR = DC resistance

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

Category 6 F/UTP Cables

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

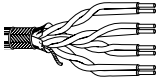
De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Freq. MHz	Max. Atten. dB/100m	Min. PSUM			Input Imp. ()	Min. RL dB			
			ft.	m	lbs.	kg		inch	mm		inch	mm			NEXT dB	ACR dB/100m	ELFEXT dB/100m					
Cat 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)																						
 4-Pair	7860ENH		B-328	B-100	11.0	5.0	0.57 mm	0.046	1.17	Bonded-Pair Overall Beldfoil® + Drain Wire (26 AWG TC) F/UTP	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								4	3.8	63.0	59.4	53.0	100 ± 15	23.0	
			3280	1000	110.2	50.0	Solid BC								10	6.0	57.0	51.3	45.0	100 ± 15	25.0	
																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

Burning Energy: 560 kJ/m

Category 6 SF/UTP Cables

EN 50173, ISO/IEC 11801, Class E, Category 6,
Bonded-Pair 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		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 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)																						
 4-Pair Braided 7860E	7860ENS		B-328	B-100	12.5	5.7	0.57 mm	0.046	1.17	Bonded-Pair Overall Beldfoil® + Drain Wire (26 AWG TC) + TC Braid SF/UTP	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								4	3.8	63.0	59.4	53.0	100 ± 15	23.0	
			3280	1000	125.4	56.9	Solid BC								10	6.0	57.0	51.3	45.0	100 ± 15	25.0	
																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

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

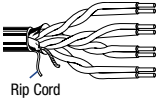
Get the Bonded-Pairs Cable Preparation Tool

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

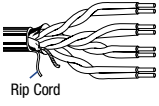


DataTwist® 5e F/UTP Cables

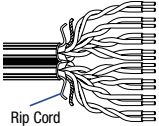
EN 50173, ISO/IEC 11801, Class D, Category 5e,
Non-Bonded-Pair Cables

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 • 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)																					
 Rip Cord 4-Pair	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															

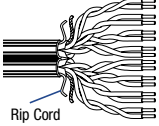
Color Code: see chart below

Polyolefin Insulation • FRNC/LSNH Jacket (Grey and Blue)																									
 Rip Cord 4-Pair	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
Burning Energy: 464 kJ/m
500 m put-up available in Blue only.

Polyolefin Insulation • Grey PVC Jacket																							
 Rip Cord 8-Pair, Twin	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	6.00								see above			
			1000	305	57.3	26.0														x	x		
			1640	500	94.8	43.0														0.531	13.50		

Color Code: see chart below

Polyolefin Insulation • FRNC/LSNH Grey Jacket																				
 Rip Cord 8-Pair, Twin	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	6.00								see above
			x	x																
			0.531	13.50																

Color Code: see chart below
Burning Energy: 929 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 SF/UTP Cables

EN 50173, ISO/IEC 11801, Class D, Category 5e,
Non-Bonded-Pair 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		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 • 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																			
 Rip Cord 4-Pair Braided 1633E	1633ES	B-328	B-100	10.6	4.8	0.51 mm	0.041	1.05	Non-Bonded-Pair Overall Beldfoil® + Drain Wire (24 AWG TC) + Overall TC Braid SF/UTP	0.248	6.30	1 4 8 10 16 20 25 31.25 62.5 100	2.1 4.0 5.7 6.3 8.0 9.0 10.1 11.4 16.5 21.3	62.0	60.2	61.0	100 ± 15	20.0	
	1000	305	32.2	14.6	24 AWG			53.0		49.3	49.0			100 ± 15	23.0				
	1640	500	52.9	24.0	Solid BC			49.0		43.1	43.0			100 ± 15	24.5				
	3280	1000	105.8	48.0				47.0		41.0	41.0			100 ± 15	25.0				
								44.0		36.2	37.0			100 ± 15	25.0				
								43.0		33.8	35.0			100 ± 15	25.0				

Color Code: see chart below

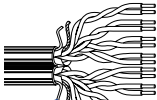
Polyolefin Insulation • Grey FRNC/LSNH Jacket

 Rip Cord 4-Pair Braided 1633ENH	1633ENS	1640	500	52.9	24.0	0.51 mm	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						

Color Code: see chart below

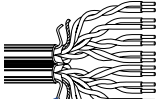
Burning Energy: 505 kJ/m

Polyolefin Insulation • Grey PVC Jacket

 Rip Cord 8-Pair, Twin	1668ES	B-164	B-50	10.6	4.8	0.51 mm	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	24 AWG													
	1640	500	105.8	48.0	Solid BC													

Color Code: see chart below

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

 Rip Cord 8-Pair, Twin	1668ENS	1640	500	105.8	48.0	0.51 mm	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						

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

MediaTwist® and DataTwist® 6 U/UTP Patch Cables

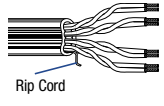
TIA/EIA-568-B.2-1, Category 6,
Enhanced Category 6, Bonded-Pair Cables

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		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 6 • 24 AWG • Bonded-Pair • Stranded (7x32) 0.6 mm Tinned Copper • RJ-45 Compatible

Polyolefin Insulation • PVC Jacket (Yellow, Green, Blue, Violet, Light Grey, Grey, White and Black)

MediaTwist®	1875GB	NEC:	1000	305	31.1	14.1	0.61 mm	0.041	1.05	Bonded-Pair	0.365	9.27	1	1.9	72.3	70.0	64.8	100 ± 12	20.0
		CMR	A-1000	A-305	32.0	14.5	24 AWG			Unshielded	x	x	4	3.7	63.3	59.0	52.8	100 ± 12	23.0
		CEC:					7x32) TC			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

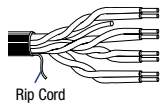
Color Code: see chart below*
305 m put-up not available in Purple.
A-305 m put-up not available in Black.

Third party verified to TIA/EIA-568-B.2-1, Category 6 Patch
U.S. Patents 5,606,151; 5,734,126; 5,763,823 and 5,821,467
Jacket sequentially marked at 0.6 m intervals.

Cat 6 • 24 AWG • Solid 0.5 mm Bare Copper • Twisted Pair • Central Slit-Film Filler • RJ-45 Compatible

Polyolefin Insulation • PVC Jacket (Red, Orange, Yellow, Green, Blue, Violet, White and Black)

DataTwist®	7883A	NEC:	1000	305	24.0	10.9	0.51 mm	0.038	0.97	Bonded-Pair	0.205	5.21	1	2.4	72.3	69.9	64.8	100 ± 15	20.0
		CM					24 AWG			Unshielded			10	7.1	57.3	50.2	44.8	100 ± 15	25.0
		CEC:					Solid BC			U/UTP			20	10.2	52.8	42.6	38.8	100 ± 15	25.0
		CM											31.25	12.8	49.9	37.1	34.9	100 ± 15	23.6
													62.5	18.5	45.4	26.9	28.9	100 ± 15	21.5
													100	23.8	42.3	18.5	24.8	100 ± 15	20.1
													200	34.8	37.8	3.0	18.8	100 ± 22	18.0
													250	39.4	36.3	-	16.8	100 ± 32	17.3



4-Pair

Color Code: see chart below*
Third party verified to TIA/EIA-568-B.2-1, Category 6 Patch
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 rotation available for T568-A or T568-B wiring schemes.

Color Code 1875GB

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

Color Code 7883A

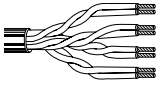
Pair No.	Color
1	White/Blue Stripe, Blue
2	White/Orange Stripe, Orange
3	White/Green Stripe, Green
4	White/Brown Stripe, Brown

Get the Bonded-Pairs Cable Preparation Tool

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

DataTwist® 350 U/UTP Patch Cables

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

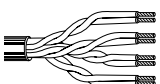
De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Freq. MHz	Max. Atten. dB/100m	Min. PSUM			Input Imp. ()	Min. RL dB		
			ft.	m	lbs.	kg		inch	mm		inch	mm			NEXT dB	ACR dB/100m	ELFEXT dB/100m				
Cat 5e • 24 AWG • Bonded-Pair • Stranded (7x32) 0.6 mm Tinned Copper • RJ-45 Compatible																					
Polyolefin Insulation • PVC Jacket (Yellow, Green, Blue, Violet, Light Grey, Grey, White and Black)																					
 4-Pair	1752A	NEC:	U-1000	U-305	24.0	10.9	0.61 mm	0.038	1.00	Bonded-Pair Unshielded U/UTP	0.220	5.59	1	2.4	65.3	62.9	60.8	100 ± 12	20.0		
		CM	1000	305	26.0	11.8	24 AWG								4	4.8	56.3	51.5	48.7	100 ± 12	23.0
		CEC:					(7x32) TC								8	6.8	51.8	45.0	42.7	100 ± 12	24.5
		CM													10	7.7	50.3	42.6	40.8	100 ± 12	25.0
															16	9.7	47.3	37.5	36.7	100 ± 12	25.0
															25	12.4	44.3	31.9	32.8	100 ± 15	24.3
															31.25	13.9	42.9	29.0	30.9	100 ± 15	23.6
															62.5	20.2	38.4	18.3	24.9	100 ± 15	21.5
															100	26.0	35.3	9.2	20.8	100 ± 15	20.1
															155	33.2	32.5	-	16.9	100 ± 18	19.0
															200	38.4	30.8	-	14.7	100 ± 20	19.0
								250	43.7	29.3	-	12.8	100 ± 20	18.0							
								350	53.2	27.2	-	9.9	100 ± 22	17.0							

Color Code: see chart below

Third party verified to TIA/EIA-568-B.2, Category 5e Patch
U.S. Patents 5,606,151; 5,734,126 and 5,763,823
Jacket sequentially marked at 0.6 m intervals.

DataTwist® 5e U/UTP Patch Cables

TIA/EIA-568-B.2, Category 5e,
Non-Bonded-Pair 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		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 • Stranded (7x32) 0.6 mm Bare Copper • Twisted Pair • RJ-45 Compatible*																					
Polyolefin Insulation • PVC Jacket (Red, Orange, Yellow, Green, Blue, Violet, Light Grey, White and Black)																					
 4-Pair	1592A	NEC:	U-1000	U-305	22.0	10.0	0.61 mm	0.040	1.02	Non- Bonded-Pair Unshielded U/UTP	0.213	5.41	1	2.5	62.3	-	60.8	100 ± 15	20.0		
		CM	1000	305	23.1	10.5	24 AWG								4	4.9	53.3	-	48.7	100 ± 15	23.0
		CEC:					(7x32) BC								10	7.8	47.3	-	40.8	100 ± 15	25.0
		CM FT1													16	9.9	44.3	-	36.7	100 ± 15	25.0
															31.25	14.1	39.9	-	30.9	100 ± 15	23.6
															62.5	20.4	35.4	-	24.8	100 ± 15	21.5
															100	26.4	32.3	-	20.8	100 ± 15	20.1
															200	38.9	27.8	-	14.7	100 ± 25	15.0

Color Code: see chart below

Third party verified to TIA/EIA-568-B.2, Category 5e Patch
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
* RJ-45 compatible for either T568-A or T568-B configurations.

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)

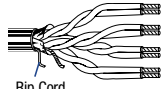


DataTwist® 5e F/UTP Patch Cables

EN 50173, ISO/IEC 11801, Category 5e,

Non-Bonded-Pair 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		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 • 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

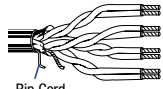


Rip Cord

4-Pair

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														



Rip Cord

4-Pair

Color Code: see chart below

Burning Energy: 355 kJ/m

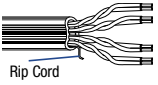
TC = Tinned Copper • BC = Bare Copper • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk •
NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • DCR = DC resistance

Color Code

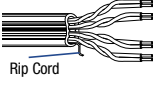
Pair No.	Color
1	White/Blue Stripe, Blue
2	White/Orange Stripe, Orange
3	White/Green Stripe, Green
4	White/Brown Stripe, Brown

VideoTwist® 6 U/UTP Cables for RGB Video

TIA/EIA-568-B.2-1, Category 6,
Bonded-Pair 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		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		
NanoSkew™ • Category 6 • 23 AWG Bonded-Pairs • Solid 0.6 mm Bare Copper • Skew 10.0 ns/100 m Nominal • Rip Cord																			
Polyolefin Insulation • Blue PVC Jacket																			
 Rip Cord 4-Pair MediaTwist™ Construction	7989R	NEC	1000	305	32.0	14.5	0.57 mm	0.042	1.06	Bonded-Pair	0.365	9.27	1	2.0	72.3	70.3	64.8	100 ± 15	20.0
		CMR	1640	500	52.5	23.8	23 AWG			Unshielded	x	x	4	3.8	63.3	59.5	52.7	100 ± 15	23.0
		CEC					Solid BC			U/UTP	0.165	4.19	8	5.3	58.8	53.4	46.7	100 ± 15	24.5
		CMR FT4											10	6.0	57.3	51.3	44.8	100 ± 15	25.0
													16	7.6	54.3	46.7	40.7	100 ± 15	25.0
													20	8.5	52.8	44.3	38.7	100 ± 15	25.0
													25	9.5	51.4	41.8	36.8	100 ± 15	24.3
													31.25	10.7	49.9	39.2	34.9	100 ± 15	23.6
													62.5	15.4	45.4	30.0	28.8	100 ± 15	21.5
													100	19.8	42.3	22.5	24.8	100 ± 15	20.1
													155	25.2	39.5	14.3	20.9	100 ± 22	18.8
													200	29.0	37.8	8.8	18.7	100 ± 22	18.0
													250	32.8	36.3	3.5	16.8	100 ± 32	17.3

Color Code: see chart below

Plenum • Polyolefin Insulation • Blue PVC Jacket																					
 Rip Cord 4-Pair MediaTwist™ Construction	7989P	NEC	1000	305	32.0	14.5	0.57 mm	0.039	1.00	Bonded-Pair	0.365	9.27								see above	
		CMR	1640	500	52.5	23.8	23 AWG			Unshielded	x	x									
		CEC					Solid BC			U/UTP	0.165	4.19									
		CMR FT4																			

Color Code: see chart below

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)

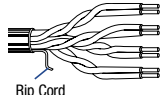


VideoTwist® 5e U/UTP Cables for RGB Video

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

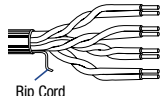
Cat 5e • 24 AWG • Bonded-Pair • Solid 0.5 mm Bare Copper • Twisted Pair • Skew 9.0 ns/100 nom. • Rip Cord

Polypropylene Insulation • Green PVC Jacket																					
 <p>Rip Cord</p>	7988R	NEC:	1000	305	22.0	10.0	0.51 mm 24 AWG Solid BC	0.038	0.97	Bonded-Pair Unshielded U/UTP	0.204	5.18	1	2.0	65.3	60.3	60.8	100 ± 15	20.0		
		CMR:	1640	500	36.2	16.4									4	4.1	53.3	49.3	48.7	100 ± 15	23.0
		CEC:													10	6.5	47.3	40.8	40.8	100 ± 15	25.0
		CMG:													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	18.4	24.8	100 ± 15	21.5
															100	22.0	32.3	10.3	20.8	100 ± 15	20.1
					200	32.4	27.8	1.0	14.7	100 ± 15	15.0										

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.

Plenum • FEP Insulation • Green Flamarrest® Jacket																		
 <p>Rip Cord</p>	7988P	NEC:	1000	305	22.9	10.4	0.51 mm 24 AWG Solid BC	0.036	0.91	Bonded-Pair Unshielded U/UTP	0.193	4.90	see above					
		CMF:	1640	500	37.7	17.1												
		CEC:																
		CMP:																

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






Get the Bonded-Pairs Cable Preparation Tool

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



IEEE 802.3, ISO/IEC 8802.3 10Base2 and 10Base5

Trunk Cables – Thinnet and Thicknet

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.	dB/100 m								
Thinnet 10Base2 • 20 AWG • Stranded (19x32) 0.9 mm Tinned Copper • Duobond® II • 93 % Tinned Copper Braid																											
Ethernet • Foam HDPE Insulation • Grey PVC Jacket																											
	30V 60°C 9907 UL AWM Style 1354	NEC:	500	152	12.6	5.7	0.94 mm	0.102	2.59	Duobond® II + 93% TC 19.0 /km***	0.185	4.70	50	80%	25.4	83.3	1	0.4	1.4								
		CL2P, CM	U-1000	U-305	25.1	11.4	20 AWG										10	1.3	4.3								
		CEC:	1000	305	25.1	11.4	(19x32) TC										50	2.9	9.5								
		CM	1640	500	41.0	18.6	47.9 /km*										100	4.2	13.8								
			2500	762	62.6	28.4	28.9 /km**										200	6.1	20.0								
	3280	1000	82.2	37.3				400	8.9	29.2																	
																	700	12.1	39.7								
																	900	13.9	45.6								
																	1000	14.8	48.6								
DEC Part No. 17-01248-00 For Plenum version of 9907, see 89907 or 82907.																											
Plenum • Ethernet • Foam FEP Insulation • Natural Flamarrest® Jacket																											
	300V 75°C 82907	NEC:	† 500	152	12.6	5.7	0.94 mm	0.095	2.41	Duobond® II + 93% TC 19.0 /km***	0.160	4.06	50	80%	25.4	83.3	1	0.4	1.4								
		CL2P	U-1000	U-305	23.1	10.5	20 AWG										10	1.3	4.3								
		CMP	† 1000	305	24.0	10.9	(19x32) TC										50	2.9	9.5								
		CEC:	† 2500	762	57.5	26.1	47.9 /km*										100	4.2	13.8								
		CMP					28.9 /km**										200	6.1	20.0								
																	400	9.2	30.2								
																	700	12.9	42.3								
																	900	15.0	49.2								
																	1000	16.0	52.5								
Plenum • Ethernet • Foam FEP Insulation • Grey Fluorocopolymer Jacket																											
	300V 150°C 89907	NEC:	† 500	152	12.6	5.7	0.94 mm	0.095	2.41	Duobond® II + 93% TC 19.0 /km***	0.160	4.06	50	80%	25.4	83.3											
		CL2, CM	† 1000	305	24.0	10.9	20 AWG																				
		CEC:	† 2500	762	60.2	27.3	(19x32) TC																				
		CM					47.9 /km*																				
								28.9 /km**																			
DEC Part No. 17-01246-00 Suitable for outdoor and direct burial applications.																											
Thinnet 10Base2 • 12 AWG • Solid 2.05 mm Bare Copper • Duobond® IV Quad Shield																											
Ethernet • Foam Polyethylene Insulation • Yellow PVC Jacket																											
	30V 60°C 9880 UL AWM Style 1478	NEC:	500	152	66.1	30.0	2.05 mm	0.243	6.17	Duobond® IV Quad Shield 5.0 /km***	0.405	10.29	50	78%	25.9	85.0	1	0.2	0.6								
		CL2, CM	1000	305	131.2	59.5	12 AWG										5	0.4	1.2								
		CEC:	1640	500	220.2	99.9	Solid BC										10	0.5	1.7								
		CM					9.66 /km*										50	1.2	3.9								
							4.66 /km**										100	1.7	5.6								
																	200	2.6	8.4								
																	400	3.9	12.8								
																	700	5.5	18.1								
																	900	6.5	21.3								
																	1000	6.9	22.6								
DEC Part No. 17-00451-00 5.0 /km For Plenum version of 9880, see 89880. Ring-band stripes marked every 2.5 meters to aid users in tap placement.																											
Plenum • Ethernet • Foam FEP Insulation • Orange Fluorocopolymer Jacket																											
	150°C 89880	NEC:	† 1000	305	134.3	60.9	2.05 mm	0.245	6.22	Duobond® IV* Quad Shield 5.0 /km***	0.375	9.53	50	78%	25.9	85.0	1	0.2	0.6								
		CL2P	† 1640	500	225.1	102.1	12 AWG										5	0.4	1.2								
		CMP					Solid BC										10	0.5	1.7								
		CEC:					9.66 /km*										50	1.1	3.8								
		CMP					4.66 /km**										100	1.6	5.4								
																	200	2.5	8.0								
																	400	3.8	12.5								
																	700	5.6	18.4								
																	900	6.8	22.3								
																	1000	7.2	23.6								
DEC Part No. 17-00324-00 Suitable for outdoor and direct burial applications. Ring-band stripes marked every 2.5 meters to aid users in tap placement.																											

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance
† Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.

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

 Not RoHS compliant at time of printing.

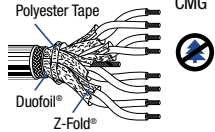
IEEE 802.3, ISO/IEC 8802.3 10Base5

Transceiver Cables

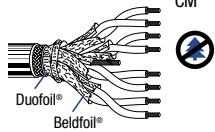
De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Nom. Imp. ()	Nom. Vel. of Prop.	Nominal Capacitance		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm			pF/ft.	pF/m	

28 and 24 AWG • Stranded (7x36) 0.4 mm and (7x32) 0.6 mm Tinned Copper • **Beldfoil®** • Twisted Pair •**Overall Polyester Isolation Tape + Duofoil® + 92% Tinned Copper Braid + 24 AWG Tinned Copper Drain Wire****Polypropylene Insulation • Light Grey PVC Jacket**

30V 80°C UL AWM Style 2919	9903	NEC: CMG CEC: CMG	500 1000	152 305	21.6 43.0	9.8 19.5	3-Pair: 0.38 mm 28 AWG (7x36) TC 1-Pair: 0.61 mm 24 AWG (7x32) TC	0.033 0.044	0.84 1.12	Individual Beldfoil® + Drain Wire (24 AWG TC) + Overall Duofoil® + 92% TC Braid	0.250 6.35	78*	66%	CDR/CDR	19.7 34.8	64.6 114.2	Grey/White, Yellow/Orange Blue/Green, Black/Red
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4-Pair
* 3-Pair**20 AWG** • Stranded (7x28) 1.0 mm Tinned Copper • **Beldfoil®** • Twisted Pair •**Overall Polyester Isolation Tape + Duofoil® + 95% Tinned Copper Braid + 22 AWG Tinned Copper Drain Wire****Datalene® Insulation • Light Grey PVC Jacket**

30V 80°C UL AWM Style 2919	9901	NEC: CL2, CM CEC: CM	500 1000	152 305	53.6 106.3	24.3 48.2	1.0 mm 20 AWG (7x28) TC	0.077 1.96	Individual Beldfoil® + Drain Wire (22 AWG TC) + Overall Duofoil® + 95% TC Braid	0.415 10.54	78	78%	CDR/CDR	16.7 29.5	54.8 96.8	Grey/White Yellow/Orange, Blue/Green, Black/Red
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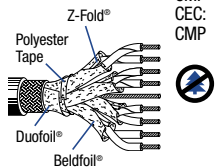


4-Pair

DEC Part No. 17-01320-00

Plenum • FEP Teflon® Insulation • Light Grey Fluorocopolymer (PVDF) Jacket**

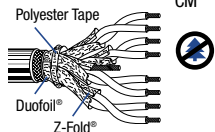
150°C	89901	NEC: CMP CEC: CMP	** 500 ** 1000	152 305	51.6 104.3	23.4 47.3	1.0 mm 20 AWG (7x28) TC	0.060 1.52	Individual Beldfoil® + Drain Wire (22 AWG TC) + Overall Duofoil® + 95% TC Braid	0.370 9.40	78	78%	CDR/CDR	16.7 29.5	54.8 96.8	Grey/White Yellow/Orange, Blue/Green, Black/Red
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4-Pair

DEC Part No. 17-01319-00
Suitable for outdoor and direct burial applications.**20 and 22 AWG** • Stranded (7x30) 0.8 mm and (7x28) 1.0 mm Tinned Copper • **Beldfoil®** • Twisted Pair •**Overall Duofoil® + 95% Tinned Copper Braid + 22 AWG Tinned Copper Drain Wire****Ethernet • Foam HDPE (22 AWG) and PVC (20 AWG) Insulation • Light Blue PVC Jacket**

30V 80°C UL AWM Style 2919	9891	NEC: CM CEC: CM	100 500 1000	30 152 305	8.2 35.9 70.1	3.7 16.3 31.8	3-Pair: 0.76 mm 22 AWG (7x30) TC 1-Pair: 0.96 mm 20 AWG (7x28) TC	0.063 0.062	1.59 1.57	Individual Beldfoil® + Drain Wire (22 AWG TC) + Overall Duofoil® + 95% TC Braid	0.315 8.00	78*	78%	CDR/CDR	16.7 29.5	54.8 96.8	Black/White Yellow/Orange, Blue/Green, Black/Red Blue/Green, Grey/Violet
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4-Pair
* 3-PairTC = Tinned Copper • DCR = DC resistance • ** Foam FEP (data pairs) and solid FEP (power pair).
Duofoil® see technical information page 23.13. Teflon® is a DuPont trademark.

⚠ Not RoHS compliant at time of printing

IEEE 802.4, MAP & Mini-MAP, IEEE 802.7

Broadband Coaxial Cables

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.	dB/ 100 m
14 AWG • Solid 1.6 mm Copper-Covered Steel • Duobond® IV Quad Shield																			
Gas-Injected Foam Polyethylene Insulation • Grey PVC Jacket																			
	3094A	NEC:	500	152	31.1	14.1	1.63 mm	0.280	7.11	Duobond® IV	0.407	10.34	75	82%	16.2	53.1	1	0.2	0.5
		CL2R	1000	305	62.2	28.2	14 AWG			Quad Shield							2	0.2	0.6
		CMR	† 2000	610	121.9	55.3	Solid CCS			4.9 /km***							5	0.3	0.9
		CEC:					20.0 /km*			7.9 mm							10	0.4	1.2
		CMG					36.1 /km**										20	0.5	1.8
																	50	0.8	2.7
																	100	1.2	3.8
																	200	1.6	5.3
																	300	2.0	6.6
																	400	2.3	7.6
	RG-11/U Type																		
			Tap marks every 2.6 meters to aid users in installation. 152 m and 305 m exact 1 pc.					Sweep tested 5 MHz to 400 MHz. CPE jacket optional.											

IEEE 802.5, ISO/IEC 8802.5

IBM Cabling System

Types 1A and 1

De- Description	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.	dB/ 100 m
IBM Type 1a • 22 AWG • Solid 0.6 mm Bare Copper • Each Pair Individually Beldfoil® Shielded • 65% Overall Tinned Copper Braid • Rip Cord																			
Flame-Retardant Foam Polyethylene Insulation • Black PVC Jacket																			
	IBM Part No. 9688	NEC:	† 500	152	26.5	12.0	0.64 mm	0.099	2.51	Individual	0.296	7.52	150	–	8.5	27.9	4	0.7	2.2
	4716748	CMG	† 1000	305	50.0	22.7	22 AWG			Beldfoil®	x	x					16	1.3	4.4
	33G2772	CEC:	† 2000	610	102.1	46.3	Solid BC			+ Overall	0.431	10.95					100	3.8	12.3
		CMG	† 3600	1098	190.7	86.5			65% TC Braid								300	6.5	21.4
																	100 ††	4.1	13.4
																	300 ††	7.1	23.3
																	600 ††	10.0	32.9
	2-Pair		Meets IEEE 802.5 and TIA/EIA-568-A specifications, ETL verified. For token ring (4/16 Mbps), FDDI over copper, and video applications. IBM qualified type 1A media cable for use in IBM cabling systems. For non-suffix "A" type IBM product, see 1634A below.																

IBM Type 1 • 22 AWG • Solid 0.6 mm Bare Copper • Each Pair Individually Beldfoil® Shielded • 65% Overall Tinned Copper Braid • Rip Cord

De- Description	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.	dB/ 100 m
IBM Type 1 • 22 AWG • Solid 0.6 mm Bare Copper • Each Pair Individually Beldfoil® Shielded • 65% Overall Tinned Copper Braid • Rip Cord																			
Flame-retardant Foam Polyethylene Insulation • Black PVC Jacket																			
	IBM Part No. 1634A	NEC:	† 1000	305	50.0	22.7	0.64 mm	0.099	2.51	Individual	0.296	7.52	150	–	8.5	27.9	4	0.7	2.2
	4716748	CMG	† 2000	610	102.3	46.4	22 AWG			Beldfoil®	x	x					16	1.3	4.4
		CEC:	† 3600	1098	191.1	86.7	Solid BC			+ Overall	0.431	10.95							
		CMG							65% TC Braid										
	2-Pair		Meets IEEE 802.5 and TIA/EIA-568-A specifications, ETL verified. IBM qualified type 1A media cable for use in IBM cabling systems. For token ring (4/16 Mbps), FDDI over copper, and video applications.																

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • CCS = Copper-Covered Steel • TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance
 † Spools are one piece, but length may vary ±10% from length shown.
 †† Common mode

Duobond® IV see technical information page 23.13.

Not RoHS compliant at time of printing

IEEE 802.5, ISO/IEC 8802.5

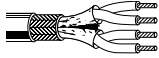
IBM Cabling System

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**Datalene® Insulation • Striated Black PVC Jacket**

IBM Part No. 1215A	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

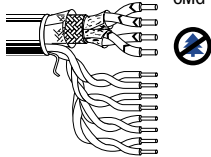


2-Pair

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**Flame-Retardant Foam Polyethylene Insulation • Black PVC Jacket**

IBM Part No. 9689	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
												600@				300	6.5	21.4
						4-Pair*	0.045	1.14				1 KHz				100 ††	4.1	13.4
						0.64 mm						(voice)				300 ††	7.1	23.3
						22 AWG										600 ††	10.0	32.9
						Solid BC												



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)

ⓧ Not RoHS compliant at time of printing