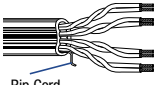
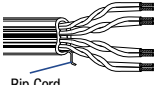


MediaTwist® U/UTP CablesTIA/EIA-568-B.2-1, Category 6,
Enhanced Category 6 Bonded-Pair Cables**Certified System 2400**

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)

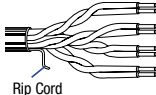
DataTwist® 350 U/UTP Cables

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		

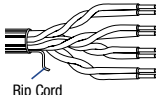
Cat 5e • 24 AWG • Bonded-Pair • Solid 0.5 mm Bare Copper • Rip Cord

Polyolefin Insulation • PVC Jacket (Red, Orange, White, Black, Yellow, Green, Blue, Violet, Light Grey and Grey)																			
 Rip Cord 4-Pair	1700A	NEC:	U-1000	U-305	22.0	10.0	0.51 mm	0.038	0.97	Bonded-Pair Unshielded U/UTP	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						4	4.0	56.3	52.3	48.8	100 ± 12	23.0
		CEC:	1640	500	36.2	16.4	Solid BC						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

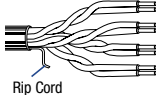
Polyolefin Insulation • PVC Jacket (Grey and Blue)

 Rip Cord 4-Pair	1700E	B-328	B-100	6.1	2.8	0.51 mm	0.038	0.97	Bonded-Pair Unshielded U/UTP	0.197	5.00							
		U-1000	U-305	18.7	8.5	24 AWG												
		1000	305	18.7	8.5	Solid BC												
		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)

 Rip Cord 4-Pair	1700ENH	60332-1	B-328	B-100	6.1	2.8	0.51 mm	0.038	0.97	Bonded-Pair Unshielded U/UTP	0.197	5.00	see above						
		CSA FT1	U-1000	U-305	18.7	8.5	24 AWG												
		UL CM	1640	500	30.9	14.0	Solid BC												
		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)

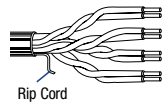
GigaFlex 1200 Cables Series

ANSI/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	



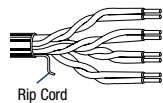
Rip Cord

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

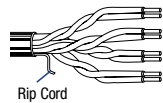
4-Pair

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.

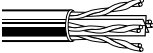
BC = Bare Copper • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • DCR = DC resistance

* Values provided for information only.

Color Code

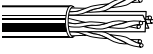
Pair No.	Color
1	White/Blue Stripe, Blue
2	White/Orange Stripe, Orange
3	White/Green Stripe, Green
4	White/Brown Stripe, Brown

DataTwist® 6 U/UTP CablesTIA/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													
Color Code: see chart below																			
Applicable industry standards: EN 50173, ISO/IEC 11801, TIA/EIA 568-B2 Burning Energy: 478 kJ/m																			

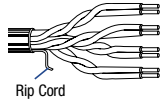
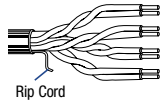
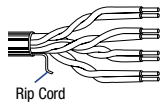
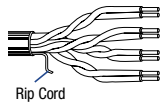
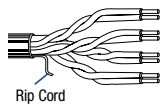
BC = Bare Copper • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • DCR = DC resistance

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)																										
	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																										
	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

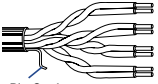
DataTwist® 5e U/UTP Cables

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		

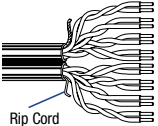
Cat 5e • 24 AWG • Solid 0.5 mm Bare Copper • Twisted Pair

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									

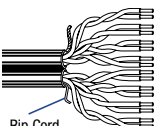
Color Code: see chart below
 915 m put-up available in Natural or Blue only.
 Third party verified to TIA/EIA-568-B.2, Category 5e
 Jacket sequentially marked at 0.6 m intervals.

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

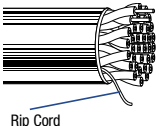
IBDN Plus 25-Pair Cat5e U/UTP Cables

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

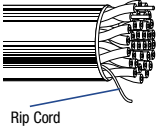
Enhanced Category 5e, Non-Bonded-Pair Cables

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																					
 <p>Rip Cord</p>	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	
															2.0	62.3	63.8	-	100 ± 15	20.0	
															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																			
 <p>Rip Cord</p>	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

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	0.038	0.97	Bonded-Pair Unshielded U/UTP	0.204	5.18	1	2.0	65.3	63.3	60.8	100 ± 12	20.0
		1000	305	149.1	67.7	24 AWG						10	6.4	50.3	43.9	40.8	100 ± 12	25.0
						Solid BC						16	8.1	47.3	39.1	36.7	100 ± 12	25.0
												31.25	11.6	42.9	31.3	30.9	100 ± 15	23.6
												62.5	16.8	38.4	21.6	24.9	100 ± 15	21.5
												100	21.7	35.3	17.1	20.8	100 ± 15	20.1
												200	32.0	30.8	3.0	14.7	100 ± 20	19.0
							250	36.4	29.3	> 0	12.8	100 ± 20	18.0					
							350	44.3	27.2	-	9.9	100 ± 22	17.0					


24-Pair

1700R Bundled
0.60/15.24

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	0.036	0.91	Bonded-Pair Unshielded U/UTP	0.195	4.95								see above
		1000	305	157.1	71.3	24 AWG													
						Solid BC													

24-Pair

1700R Bundled
0.60/15.24

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

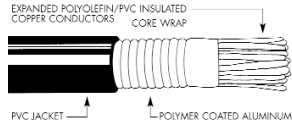
Color Code

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

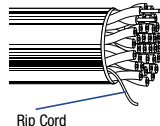
Pair No.	Tip	Ring
16	Yellow	Blue
27	Yellow	Orange
38	Yellow	Green
49	Yellow	Brown
20	Yellow	Slate
21	Violet	Blue
22	Violet	Orange
23	Violet	Green
24	Violet	Brown
25	Violet	Slate

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

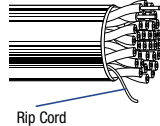
Polyolefin Insulation • PVC Jacket (Light Grey and Blue)																			
 <p>Rip Cord</p>	1864A	NEC: CMR CEC: CMR FT4	1000	305	144.2	65.4	0.51 mm 24 AWG Solid BC	0.041	1.03	Non- Bonded-Pair Unshielded U/UTP	0.526	13.36	1	2.0	62.3	-	-	100 ± 15	23.0
													10	6.5	47.3	-	-	100 ± 15	23.0
													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)

 <p>Rip Cord</p>	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 Cables

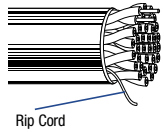
TIA/EIA-568-A, Category 3,
Non-Bonded-Pair Cables

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

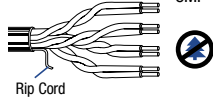


1227A1	2-Pair	U-1000	U-305	13.2	6.0							0.173	4.39						
1229A1	4-Pair	U-1000	U-305	22.0	10.0							0.197	5.00						
1232A1	25-Pair	† 1000	305	104.1	47.2							0.399	10.14						

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

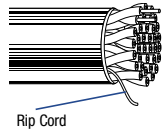
D-Series Multipair U/UTP Cables

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 4 8 10 16	2.6 5.6 8.5 9.7 13.1	41.0 32.0 28.0 26.0 23.0	- - - - -	- - - - -	100 ± 15 100 ± 15 100 ± 15 100 ± 15 100 ± 15	12.0 12.0 12.0 12.0 10.0



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

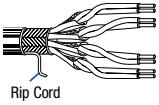
Color Code

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

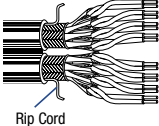
Category 7 S/FTP Cables

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									4	3.7	75.0	71.3	75.0	100 ± 15	23.0
			3280	1000	132.3	60.0									10	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																			

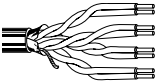
TC = Tinned Copper • BC = Bare Copper • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk •
NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • DCR = DC resistance

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

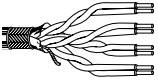
Category 6 F/UTP Cables

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- Description	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		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

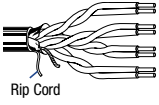
**Get the Bonded-Pairs
Cable Preparation Tool**

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

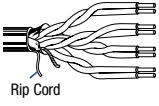


DataTwist® 5e F/UTP Cables

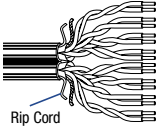
EN 50173, ISO/IEC 11801, Class D, Category 5e,
Non-Bonded-Pair Cables

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															

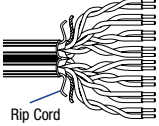
Color Code: see chart below

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

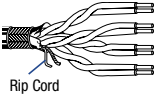
Get the Bonded-Pairs Cable Preparation Tool

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



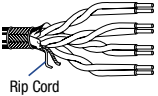
DataTwist® 5e SF/UTP Cables

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																			
 <p>Rip Cord</p>	1633ES	B-328 1000 1640 3280	B-100 305 500 1000	10.6 32.2 52.9 105.8	4.8 14.6 24.0 48.0	0.51 mm 24 AWG Solid BC	0.041	1.05	Non-Bonded-Pair Overall Beldfoil®	0.248	6.30	1	2.1	62.0	60.2	61.0	100 ± 15	20.0	
																	100 ± 15	23.0	
																	100 ± 15	24.5	
																	100 ± 15	25.0	
																	100 ± 15	25.0	
																	100 ± 15	24.3	
																	100 ± 15	23.6	
100 ± 15	21.5																		
100 ± 15	20.1																		
+ Drain Wire (24 AWG TC) + Overall TC Braid SF/UTP 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																			

4-Pair Braided 1633E

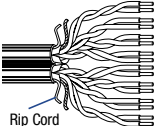
Color Code: see chart below

Polyolefin Insulation • Grey FRNC/LSNH Jacket																			
 <p>Rip Cord</p>	1633ENS	1640	500	52.9	24.0	0.51 mm 24 AWG Solid BC	0.041	1.05	Non-Bonded-Pair Overall Beldfoil®	0.248	6.30								see above
																			see above
+ Drain Wire (24 AWG TC) + Overall TC Braid SF/UTP 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																			
Burning Energy: 505 kJ/m																			

4-Pair Braided 1633ENH

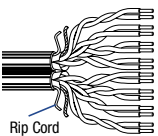
Color Code: see chart below

Burning Energy: 505 kJ/m

Polyolefin Insulation • Grey PVC Jacket																			
 <p>Rip Cord</p>	1668ES	B-164 1000 1640	B-50 305 500	10.6 32.2 52.9	4.8 14.6 24.0	0.51 mm 24 AWG Solid BC	0.041	1.05	Non-Bonded-Pair Overall Beldfoil®	0.543	13.80								see above
																			see above
																			see above
+ Drain Wire (24 AWG TC) + Overall TC Braid SF/UTP 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																			

8-Pair, Twin

Color Code: see chart below

Polyolefin Insulation • FRNC/LSNH Jacket (Grey and Blue)																			
 <p>Rip Cord</p>	1668ENS	1640	500	105.8	48.0	0.51 mm 24 AWG Solid BC	0.041	1.05	Non-Bonded-Pair Overall Beldfoil®	0.543	13.80								see above
																			see above
																			see above
+ Drain Wire (24 AWG TC) + Overall TC Braid SF/UTP 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																			
Burning Energy: 1010 kJ/m																			

8-Pair, Twin

Color Code: see chart below

Burning Energy: 1010 kJ/m

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

Color Code

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

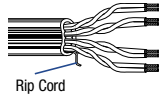
MediaTwist® and DataTwist® 6 U/UTP Patch Cables

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 24 AWG (7x32) TC	0.041	1.05	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	32.0	14.5												4	3.7	63.3	59.0	52.8	100 ± 12	23.0
	CEC:																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												



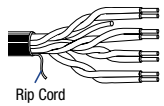
4-Pair

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 24 AWG Solid BC	0.038	0.97	Bonded-Pair Unshielded U/UTP	0.205	5.21	1	2.4	72.3	69.9	64.8	100 ± 15	20.0					
	CM																10	7.1	57.3	50.2	44.8	100 ± 15	25.0
	CEC:																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)