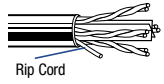


DataTwist® 600e U/UTP Cables
 TIA/EIA-568-B.2-1, Category 6,
 Enhanced Category 6 Bonded-Pair Cables

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										

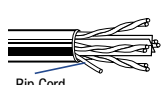
Color Code: see chart below

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

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
		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.



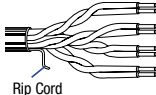
DataTwist® 350 U/UTP Cables

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		

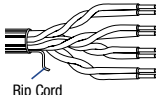
Cat 5e • 24 AWG • Bonded-Pair • Solid 0.5 mm Bare Copper • Rip Cord

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 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

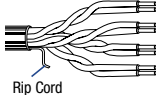
Polyolefin Insulation • PVC Jacket (Grey and Blue)

 <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 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)

 <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 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

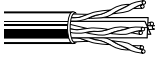
Get the Bonded-Pairs Cable Preparation Tool



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

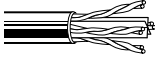
DataTwist® 6 U/UTP Cables

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)																			
 4-Pair	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)																			
 4-Pair	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																

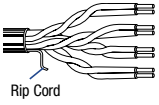
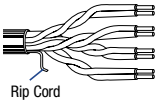
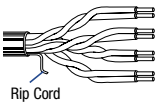
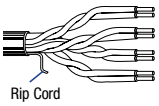
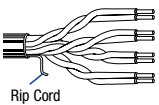
BC = Bare Copper • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • DCR = DC resistance

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	Indoor/ Outdoor	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	Outdoor	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-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

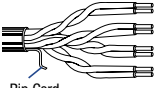
DataTwist® 5e U/UTP Cables

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		

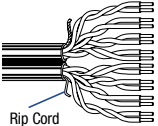
Cat 5e • 24 AWG • Solid 0.5 mm Bare Copper • Twisted Pair

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									

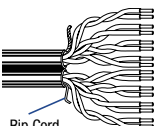
Color Code: see chart below
 915 m put-up available in Natural or Blue only.
 Third party verified to TIA/EIA-568-B.2, Category 5e
 Jacket sequentially marked at 0.6 m intervals.

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

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

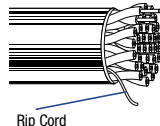
Pair No.	Color
1	White/Blue Stripe, Blue
2	White/Orange Stripe, Orange
3	White/Green Stripe, Green
4	White/Brown Stripe, Brown

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

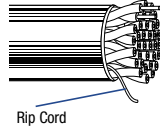
Polyolefin Insulation • PVC Jacket (Light Grey and Blue)																			
 <p>Rip Cord</p>	1864A	NEC: CMR CEC: CMR FT4	1000	305	144.2	65.4	0.51 mm 24 AWG Solid BC	0.041	1.03	Non- Bonded-Pair Unshielded U/UTP	0.526	13.36	1	2.0	62.3	-	-	100 ± 15	23.0
													10	6.5	47.3	-	-	100 ± 15	23.0
						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

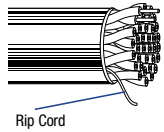
TIA/EIA-568-A, Category 3,
Non-Bonded-Pair Cables

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

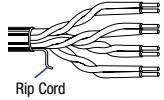


1227A1	2-Pair	U-1000	U-305	13.2	6.0							0.173	4.39						
1229A1	4-Pair	U-1000	U-305	22.0	10.0							0.197	5.00						
1232A1	25-Pair	† 1000	305	104.1	47.2							0.399	10.14						

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