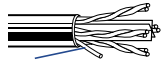


**DataTwist® 600e U/UTP Cables**TIA/EIA-568-B.2-1, Category 6,  
Enhanced Category 6 Bonded-Pair Cables**Certified System 4800LX**

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)

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				
7851A	NEC: CMR CEC: CMR	1000	305	37.9	17.2	0.57 mm 23 AWG Solid BC	0.044	1.13	Bonded-Pair Unshielded U/UTP	0.227	5.77	1	1.9	80.3	78.5	70.8	100 ± 12	20.0		
		A-1000	A-305	47.0	21.3					x	x			10	5.7	65.3	59.6	50.8	100 ± 12	25.0
										0.315	8.00			31.25	10.2	57.9	47.7	40.9	100 ± 15	25.0
														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								



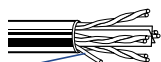
Rip Cord

4-Pair

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**

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			
7851NH	NEC: CMR CEC: CMR	1000	305	39.0	17.7	0.57 mm 23 AWG Solid BC	0.044	1.13	Bonded-Pair Unshielded U/UTP	0.241	6.12								
		A-1000	A-305	48.1	21.8					x	x								



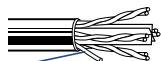
Rip Cord

4-Pair

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 • Flamarrrest® Jacket** (Red, Orange, Yellow, Green, Blue, Black, White and Grey)

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			
7852A	NEC: CMP CEC: CMP	1000	305	39.9	18.1	0.57 mm 23 AWG Solid BC	0.043	1.08	Bonded-Pair Unshielded U/UTP	0.218	5.54								
		A-1000	A-305	48.9	22.2					x	x								



Rip Cord

4-Pair

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

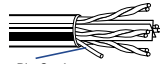
**Certified System 4800LX**

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	<b>24586385</b>	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	<b>24586985</b>	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

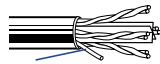
4-Pair

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	<b>24588085</b>	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														
		CMR																			



Rip Cord

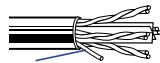
4-Pair

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	<b>24587385</b>	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	<b>24587985</b>	CMP					23 AWG														
		CEC:					Solid BC														
		CMP																			



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**

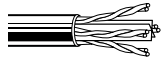
Pair No.	Color
1	White/Blue Stripe, Blue
2	White/Orange Stripe, Orange
3	White/Green Stripe, Green
4	White/Brown Stripe, Brown

**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		
<b>Cat 6 • 23 AWG • Bonded-Pair • Solid 0.6 mm Bare Copper • Twisted Pair</b>																			
<b>Polyolefin Insulation • PVC Jacket (Grey and Blue)</b>																			
	<b>7812E</b>		B-328	B-100	9.5	4.3	0.57 mm	0.042	1.06	<b>Bonded-Pair</b>	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

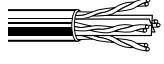


4-Pair

Color Code: see chart below

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

<b>Polyolefin Insulation • FRNC / LSNH Jacket (Grey and Blue)</b>																				
	<b>7812ENH</b>		B-328	B-100	9.5	4.3	0.57 mm	0.042	1.06	<b>Bonded-Pair</b>	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**

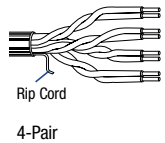
See page 15.37 for details.  
(Part No. 1797B)

### GigaFlex 2400 Cables Series

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

**Certified System 2400**

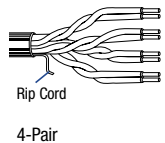
De-scription	Part No.	UL NEC / C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Freq. MHz	Max. Atten. dB/100m	Min. PSUM			Input Imp. ( )	Min. RL dB	
			ft.	m	lbs.	kg		inch	mm		inch	mm			NEXT dB	ACR dB/100m	ELFEXT dB/100m			
<b>Cat 6 • 24 AWG • Solid 0.5 mm Bare Copper • Twisted Pair • Rip Cord</b>																				
<b>Polyolefin Insulation • PVC Jacket</b>																				
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.

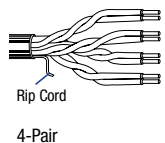
<b>Polyolefin Insulation • FRNC/LSNH Polymer Alloy</b>																					
Violet-Reel	24568005	NEC:	1000	305	28.0	12.7	0.51 mm	0.043	1.08	Non-Bonded-Pair Unshielded U/UTP	0.214	5.44								see above	
Violet-Box	24568015	CMR	1000	305	28.0	12.7	24 AWG														
White-Box	24568315	CEC:	1000	305	28.0	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.

<b>Plenum • FEP Insulation • Low-Smoke PVC Jacket</b>																					
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

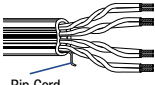
#### Color Code

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**

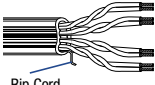
TIA/EIA-568-B.2-1, Category 6,  
Enhanced Category 6 Bonded-Pair Cables

**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							
<b>Cat 6 • 23 AWG • Solid 0.6 mm Bare Copper • Rip Cord</b>																								
<b>Polyolefin Insulation • PVC Jacket</b> (Blue, Red, Yellow, Orange, Green, Gold, Violet, White, Black and Grey)																								
 Rip Cord  4-Pair	<b>1872A</b>	NEC:	1000	305	37.0	16.8	0.57 mm 23 AWG Solid BC	0.042	1.06	<b>Bonded-Pair</b>	0.365	9.27	1	1.9	Min. PSUM			100 ± 12	20.0					
		CMR	A-1000	A-305	37.0	16.8					Unshielded	x			x	4	3.7			63.3	59.0	52.8	100 ± 12	23.0
		CEC:									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										

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.

<b>Plenum • FEP Teflon® Insulation • Flamarrest® Jacket</b> (Blue, Natural, Grey, Red, Yellow, Orange, Green, Gold, Violet, White and Black)																					
 Rip Cord  4-Pair	<b>1874A</b>	NEC:	1000	305	37.0	16.8	0.57 mm 23 AWG Solid BC	0.039	1.00	<b>Bonded-Pair</b>	0.365	9.27	Min. PSUM			see above					
		CMP	A-1000	A-305	37.9	17.2					Unshielded	x	x	4	3.7		63.3	59.0	52.8	100 ± 12	23.0
		CEC:									U/UTP	0.165	4.19	8	5.3		58.8	53.0	46.7	100 ± 12	24.5
		CMP												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							

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**

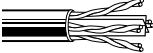
Pair No.	Color
1	White/Blue Stripe, Blue
2	White/Orange Stripe, Orange
3	White/Green Stripe, Green
4	White/Brown Stripe, Brown

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

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

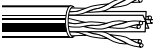


**DataTwist® 6 U/UTP Cables**TIA/EIA-568-B.2, Category 6,  
Non-Bonded-Pair Cables

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		
<b>Cat 6 • 23 AWG • Unbonded-Pair • Solid 0.6 mm Bare Copper • Twisted Pair</b>																			
<b>Polyolefin Insulation • PVC Jacket (Grey and Blue)</b>																			
	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

<b>Polyolefin Insulation • FRNC/LSNH Jacket (Grey or Blue)</b>																			
	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