

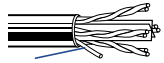
# DataTwist® 600e U/UTP Cables

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	0.044	1.13	Bonded-Pair	0.227	5.77	1	1.9	80.3	78.5	70.8	100 ± 12	20.0									
		CMR	A-1000	A-305	47.0	21.3					23 AWG	Unshielded								x	x	10	5.7	65.3	59.6	50.8	100 ± 12	25.0
		CEC:									Solid BC	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	1000	305	39.0	17.7	0.57 mm	0.044	1.13	Bonded-Pair	0.241	6.12	see above							
		A-1000	A-305	48.1	21.8					23 AWG	Unshielded	x	x	0.329	8.36				

Color Code: see chart below

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

Plenum • FEP Teflon® Insulation • Flamarrrest® 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	0.043	1.08	Bonded-Pair	0.218	5.54	see above							
		CMP	A-1000	A-305	48.9	22.2					23 AWG	Unshielded	x	x	0.290	7.37				
		CEC:																		
		CMP																		

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.

