

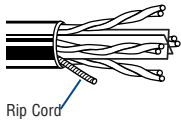
DataTwist® 600e UTP Cable

TIA/EIA-568-B.2-1, Category 6

Enhanced Category 6 Bonded-Pair Cables

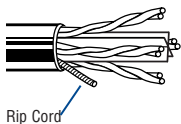
Certified System Cable

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR (Ω / 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Min. PSUM ELFEXT (dB/ 100m)	Input Imped. (Ω)	Min. RL (dB)
				Ft.	m	Lbs.	kg	Inch	mm										
23 AWG Bonded-Pairs Solid Bare Copper Conductors • Patented E-Spline Center Member • Rip Cord • See Color Code Chart (below)																			
Non-Plenum • Polyolefin Insulation • PVC Jacket (Available in Red, Orange, Yellow, Green, Blue, Black, White or Gray)																			
	7851A	NEC: CMR CEC: CMR	4	1000 A-1000	304.8 A-304.8	38.0 47.0	17.2 21.3	.227 x .315	5.77 x 8.00	8.2	3.0	65.6	1 10 31.25 62.5 100 155 200 250 350 400 500 550 600	1.9 5.7 10.2 14.7 18.9 23.9 27.5 31.2 37.7 40.6 46.2 48.8 51.4	80.3 65.3 57.9 53.4 50.3 47.5 45.8 44.3 40.2 39.3 37.8 37.2 36.6	78.5 59.6 47.7 38.7 31.4 23.5 18.3 13.2 4.5 0.6 16.8 16.0 15.2	70.8 50.8 40.9 34.9 30.8 27.0 24.8 22.8 19.9 18.8 16.8 16.0 15.2	100±12 100±12 100±15 100±15 100±15 100±15 100±15 100±20 100±22 100±22 100±22 100±22 100±22	20.0 25.0 25.0 25.0 25.0 22.8 21.7 20.5 19.8 19.5 18.4 18.0 17.6



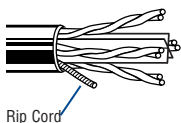
Third party verified to TIA/EIA-568-B.2-1, Category 6
U.S. Patents 5,606,151; 5,734,126; 5,789,711 and 6,297,454-B1
Jacket sequentially marked at 2 ft. intervals. Features Descending Length Marking.

Non-Plenum • Polyolefin Insulation • Gray Haloarrest® Jacket																			
	7851NH		4	1000 A-1000	304.8 A-304.8	39.0 48.0	17.7 21.8	.241 x .329	6.12 x 8.36	8.2	3.0	65.6	1 10 31.25 62.5 100 155 200 250 350 400 500 550 600	1.9 5.7 10.2 14.7 18.9 23.9 27.5 31.2 37.7 40.6 46.2 48.8 51.4	80.3 65.3 57.9 53.4 50.3 47.5 45.8 44.3 40.2 39.3 37.8 37.2 36.6	78.5 59.6 47.7 38.7 31.4 23.5 18.3 13.2 4.5 0.6 16.8 16.0 15.2	70.8 50.8 40.9 34.9 30.8 27.0 24.8 22.8 19.9 18.8 16.8 16.0 15.2	100±12 100±12 100±15 100±15 100±15 100±15 100±15 100±20 100±22 100±22 100±22 100±22 100±22	20.0 25.0 25.0 25.0 25.0 22.8 21.7 20.5 19.8 19.5 18.4 18.0 17.6



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 meter intervals. Features Descending Length Marking.

Plenum • FEP Teflon® Insulation • Flammarrest® Jacket (Available in Red, Orange, Yellow, Green, Blue, Black, White or Gray)																			
	7852A	NEC: CMP CEC: CMP	4	1000 A-1000†	304.8 A-304.8	40.0 49.0	18.1 22.2	.218 x .290	5.54 x 7.37	8.2	3.0	65.6	1 10 31.25 62.5 100 155 200 250 350 400 500 550 600	1.9 5.7 10.2 14.7 18.9 23.9 27.5 31.2 37.7 40.6 46.2 48.8 51.4	80.3 65.3 57.9 53.4 50.3 47.5 45.8 44.3 40.2 39.3 37.8 37.2 36.6	78.5 59.6 47.7 38.7 31.4 23.5 18.3 13.2 4.5 0.6 16.8 16.0 15.2	70.8 50.8 40.9 34.9 30.8 27.0 24.8 22.8 19.9 18.8 16.8 16.0 15.2	100±12 100±12 100±15 100±15 100±15 100±15 100±15 100±20 100±22 100±22 100±22 100±22 100±22	20.0 25.0 25.0 25.0 25.0 22.8 21.7 20.5 19.8 19.5 18.4 18.0 17.6



† A-1000 ft. 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 2 ft. intervals. Features descending Length marking.

ACR = Attenuation Crosstalk Ratio • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

*PSUM ACR >0 is guaranteed to 460 MHz

Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

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 15.40 for more information.

**Color Codes: DataTwist 600e**

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

Teflon is a DuPont trademark.