

DataTwist® 350 UTP Cable

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

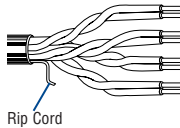
Enhanced Category 5e Bonded-Pair Cables

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										

24 AWG Bonded-Pairs Solid Bare Copper Conductors • Rip Cord • See Color Code Chart (below)

Non-Plenum • Polyolefin Insulation • PVC Jacket (Red, Orange, White, Black, Yellow, Green, Blue, Purple, Light Gray or Gray)

	1700A	NEC:	4	U-1000	U-304.8	22.0	10.0	.200	5.08	9.0	3.0	66.0	1	2.0	65.3	63.3	60.8	100±12	20.0	
		CM		1000 †	304.8	22.0	10.0							4	4.0	56.3	52.3	48.8	100±12	23.0
		CEC:		1640 †	500.0	36.1	16.4							8	5.7	51.8	46.1	42.7	100±12	24.5
		CM		3000 †	914.4	63.0	28.6							10	6.4	50.3	43.9	40.8	100±12	25.0
		CM		3280 †	1000.0	72.2	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	24.9	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	—	12.8	100±20	18.0	
													350	44.3	27.2	—	9.9	100±22	17.0	
	1702A*	NEC:	2x4	1000 *	304.8	45.0	20.4	.200	5.08											
		CM		1640 *	500.0	73.8	33.5		x	x										
		CEC:						.415	10.54											
		CM																		
		CM																		
	1700R	NEC:	4	U-1000 ††	U-304.8	22.0	10.0	.204	5.18											
		CMR		1000 ††	304.8	22.0	10.0													
		CEC:		3000 ††	914.4	63.0	28.6													
		CMR																		

*1702A is Siamese version of 1700A and is available in Blue or Light Gray only.

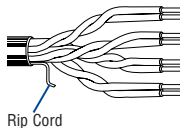
†1000 ft. put-up not available in Gray. 3000 ft. put-up available in Red, Blue, White or Lt. Gray only. 1640 ft. available in Lt. Gray or Blue only. 3280 ft. available in Lt. Gray only.

††1700R is not available in Black nor Medium Gray. 3000 ft. put-up available in Red, Blue, Purple, White or Light Gray only.

Third party verified to TIA/EIA-568-B.2, Category 5e

Jacket sequentially marked at 2 ft. intervals. Features Descending Length Marking. • U.S. Patents 5,606,151 and 5,734,126

Plenum • FEP Teflon® Insulation • Flamarrest® Jacket (Available in Red, Orange, Gray, Yellow, Green, Blue, Purple, Natural or Black)

	1701A	NEC:	4	U-1000	U-304.8	23.0	10.5	.195	4.95	9.0	3.0	66.0	1	2.0	65.3	63.3	60.8	100±12	20.0	
		CMP		1000	304.8	24.0	10.9							4	4.0	56.3	52.3	48.8	100±12	23.0
		CEC:		3000 †	914.4	69.0	31.3							8	5.7	51.8	46.1	42.7	100±12	24.5
		CMP												10	6.4	50.3	43.9	40.8	100±12	25.0
		CMP												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	24.9	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±20	19.0	
													250	36.4	29.3	—	12.8	100±20	18.0	
													350	44.3	27.2	—	9.9	100±22	17.0	
	1703A**	NEC:	2x4	1000 ††	304.8	46.0	20.9	.195	4.95											
		CMP						x	x											
		CEC:						.405	10.29											
		CMP																		
		CMP																		

**1703A is Siamese version of 1701A.

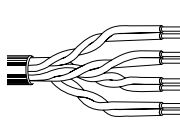
†3000 ft. put-up available in Blue or Natural only.

††1000 ft. put-up available in Blue or Natural only.

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Jacket sequentially marked at 2 ft. intervals. Features Descending Length Marking. • U.S. Patents 5,606,151 and 5,734,126

Plenum • FEP Teflon Insulation • FEP Jacket (Available in Blue or White)

	1701LC	NEC:	4	U-1000	U-304.8	23.0	10.5	.187	4.75	9.0	3.0	66.0	1	2.0	65.3	63.3	60.8	100±12	20.0	
		Limited Combustible		1000	304.8	24.0	10.9							4	4.0	56.3	52.3	48.8	100±12	23.0
		FHC 25/50												8	5.7	51.8	46.1	42.7	100±12	24.5
		CMP												10	6.4	50.3	43.9	40.8	100±12	25.0
		CMP												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	24.9	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±20	19.0	
													250	36.4	29.3	—	12.8	100±20	18.0	
													350	44.3	27.2	—	9.9	100±22	17.0	

1701LC does not have a rip cord.

Third party verified to TIA/EIA-568-B.2, Category 5e

Jacket sequentially marked at 2 ft. intervals. Features Descending Length Marking. • U.S. Patents 5,606,151 and 5,734,126

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)


Color Codes: DataTwist 350

Pair No.	Color Combination
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 15.40 for details.

(Part No. 1797B)



Teflon is a DuPont trademark.



For more information, contact Belden Technical Support: 1-800-BELDEN-1 • www.belden.com

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