


DataTwist® 5e UTP Cable


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

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 Solid Bare Copper Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)

Non-Plenum • Polyolefin Insulation • PVC Jacket (Available in Dark Gray or Blue)

	1588A	NEC:	2	U-1000	U-304.8	14.0	6.4	.183	4.65	9.38	5.0	330	1	2.0	62.3	60.3	60.8	100±15	20.0	
		CM		1000	304.8	15.0	6.8							4	4.1	53.3	49.2	48.7	100±15	23.0
		CEC:		1640†	500.0	24.6	11.2							10	6.5	47.3	40.8	40.8	100±15	25.0
		CM											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	


	1588R	NEC:	2	U-1000††	U-304.8	14.0	6.4	.183	4.65				100	22.0	32.3	10.3	20.8	100±15	20.1	
		CMR		1000††	304.8	15.0	6.8					200	32.0	27.8	1.0	14.7	100±25	15.0		
		CEC:																		
		CMR																		


†1640 ft. put-up available in Dark Gray only.

††U-1000 ft. and 1000 ft. put-ups available in Blue only

Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2, Category 5e

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

	1583A	NEC:	4	U-1000	U-304.8	21.0	9.5	.195	4.95	9.38	3.0	330	1	2.0	62.3	60.3	60.8	100±15	20.0	
		CM		1000	304.8	21.0	9.5							4	4.1	53.3	49.2	48.7	100±15	23.0
		CEC:		1640†	500.0	34.4	15.7							10	6.5	47.3	40.8	40.8	100±15	25.0
		CM		3000†	914.4	63.0	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	


	1583R	NEC:	4	U-1000††	U-304.8	22.0	10.0	.197	5.00				100	22.0	32.3	10.3	20.8	100±15	20.1
		CMR		1000††	304.8	22.0	10.0					200	32.0	27.8	1.0	14.7	100±25	15.0	
		CEC:		3000††	914.4	63.0	28.6												
		CMR																	

†1640 ft. put-up available in Dark Gray or Blue only. 3000 ft. put-up available in Dark Gray, White or Blue only.

††1583R is not available in Black. 3000 ft. put-ups available in Dark Gray, White or Blue only.


Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2, Category 5e

Non-Plenum • Polyolefin Insulation • Fluorescent Pink PVC Jacket

	DataBrite® 1583B	NEC:	4	U-1000	U-304.8	19.0	8.6	.195	4.95	9.38	3.0	330	1	2.0	62.3	60.3	60.8	100±15	20.0	
		CMR		1000	304.8	20.0	9.1							4	4.1	53.3	49.2	48.7	100±15	23.0
		CEC:												10	6.5	47.3	40.8	40.8	100±15	25.0
		CMR												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	


Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2, Category 5e

Non-Plenum • Polyolefin Insulation • UV Resistant PVC Jacket (Available in Gray, White or Ivory)

	Indoor/Outdoor 1594A	NEC:	4	U-1000	U-304.8	26.0	11.8	.220	5.58	9.38	3.0	330	1	2.0	62.3	60.3	60.8	100±15	20.0	
		CMR/CMX												4	4.1	53.3	49.2	48.7	100±15	23.0
		CEC:												10	6.5	47.3	40.8	40.8	100±15	25.0
		CMR/CMX												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	

Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2, Category 5e

Outside Plant • Polyolefin Insulation • Black Gel-filled Polyethylene Jacket

	Outdoor 7997A		4	1000	304.8	38.0	17.2	.251	6.38	8.90	3.0	66.0	1	2.0	68.3	66.3	64.8	100±15	20.0		
														4	4.0	59.3	55.3	52.8	100±15	23.0	
															10	6.4	53.3	46.9	44.8	100±15	25.0
															16	8.1	50.2	42.1	40.7	100±15	25.0
															31.25	11.4	45.9	34.5	34.9	100±15	23.6
															62.5	16.4	41.4	25.0	28.9	100±15	21.5

Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2, Category 5e

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 5e

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



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

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