

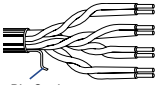
DataTwist® 5e U/UTP Cables

ANSI/TIA/EIA-568-B.2, Category 5e,
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. (Ω)	Min. RL dB
			ft.	m	lbs.	kg		inch	mm		inch	mm			NEXT dB	ACR dB/100m	ELFEXT dB/100m		

Cat 5e • 24 AWG • Solid 0.5 mm Bare Copper • Twisted Pair

Polyolefin Insulation • PVC Jacket (White, Black, Grey, Blue, Red, Orange, Yellow, Green and Pink)

	1583A	NEC:	U-1000	U-305	20.9	9.5	0.51 mm	0.037	0.93	Non- Bonded-Pair Unshielded U/UTP	0.195	4.95	1	2.0	62.3	60.3	60.8	100 ± 15	20.0
		CM	1000	305	20.9	9.5	24 AWG						4	4.1	53.3	49.2	48.7	100 ± 15	23.0
		CEC:	1640	500	34.6	15.7	Solid BC						10	6.5	47.3	40.8	40.8	100 ± 15	25.0
		CM	3000	914	63.1	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
													100	22.0	32.3	10.3	20.8	100 ± 15	20.1
													200	32.0	27.8	1.0	14.7	100 ± 25	15.0

Rip Cord

4-Pair

Color Code: see chart below

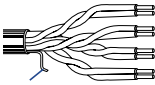
500 m put-up available in Dark Grey or Blue only.

914 m put-up available in Dark Grey, White or Blue only.

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

Jacket sequentially marked at 0.6 m intervals.

Polyolefin Insulation • PVC Jacket (Grey and Blue)

	1583E		B-328	B-100	6.1	2.8	0.51 mm	0.037	0.93	Non- Bonded-Pair Unshielded U/UTP	0.197	5.00	see above						
			U-1000	U-305	18.7	8.5	24 AWG												
			1000	305	18.7	8.5	Solid BC												
			1640	500	30.9	14.0													
			3280	1000	61.7	28.0													

Rip Cord

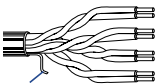
4-Pair

Color Code: see chart below

500 m put-up available in Grey only.

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

Polyolefin Insulation • FRNC/LSNH Jacket (Grey and Blue)

	1583ENH	CSA FT1	B-328	B-100	6.1	2.8	0.51 mm	0.037	0.93	Non- Bonded-Pair Unshielded U/UTP	0.197	5.00	see above						
		UL CM	U-1000	U-305	18.7	8.5	24 AWG												
		UL ISDI	1000	305	18.7	8.5	Solid BC												
		(Vertical Tray)	1640	500	30.9	14.0													
			3280	1000	61.7	28.0													

Rip Cord

4-Pair

Color Code: see chart below

1000 m put-up available in Grey only.

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

Burning Energy: 310 kJ/m

Polyolefin Insulation • UV Resistant PVC Jacket (Grey, White and Ivory)

Indoor/ Outdoor	1594A	NEC:	U-1000	U-305	26.0	11.8	0.51 mm	0.034	0.87	Non- Bonded-Pair Unshielded U/UTP	0.220	5.58	see above						
		CMR/CMX					24 AWG												
		CEC:					Solid BC												

CMR/CMX

Rip Cord

4-Pair

Color Code: see chart below

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

Jacket sequentially marked at 0.6 m intervals.

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

Outdoor	7997A		U-1000	U-305	37.9	17.2	0.51 mm	0.041	1.04	Non- Bonded-Pair Unshielded U/UTP	0.251	6.38	1	2.0	68.3	66.3	64.8	100 ± 15	20.0
							24 AWG						4	4.0	59.3	55.3	52.8	100 ± 15	23.0
							Solid BC						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
													100	21.0	38.3	17.3	24.8	100 ± 15	20.1
													200	30.5	33.8	3.3	18.8	100 ± 22	18.0

Rip Cord

4-Pair

Color Code: see chart below

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

Jacket sequentially marked at 0.6 m intervals.

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