

DataTwist® 3 U/UTP Cables

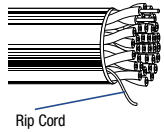
TIA/EIA-568-A, Category 3,
Non-Bonded-Pair Cables

De- scription	Part No.	No. of Pairs	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Nom. Imp. ()	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			ft.	m	lbs.	kg		inch	mm		inch	mm			pF/ft.	pF/m	MHz	dB/ 100 ft.	dB/ 100 m

Cat 3 • 24 AWG • Solid 0.5 mm Bare Copper • Twisted Pair • Rip Cord

Polyolefin Insulation • Grey PVC Jacket

NEC: CMR CEC: CMR							0.51 mm 24 AWG Solid BC	0.035	0.90	Non- Bonded-Pair Unshielded U/UTP			100	70%	19.0	62.3	1	7.8	2.6
																	4	17.0	5.6
																	10	30.0	9.7
																	16	40.0	13.1

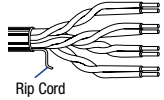


1227A1	2-Pair	U-1000	U-305	13.2	6.0							0.173	4.39						
1229A1	4-Pair	U-1000	U-305	22.0	10.0							0.197	5.00						
1232A1	25-Pair	† 1000	305	104.1	47.2							0.399	10.14						

Color Code: see chart below
Third party verified to TIA/EIA-568-A, Category 3 • Jacket sequentially marked at 0.6 m intervals.

Plenum • Low-Smoke PVC Insulation • White Low-Smoke PVC Jacket

NEC: CMP CEC: CMP							0.51mm 24 AWG Solid BC	0.038	0.96	Non- Bonded-Pair Unshielded U/UTP			100	61%	19.0	62.3			see above
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1243A2	2-Pair	U-1000	U-305	14.1	6.4							0.170	4.32						
1245A2	4-Pair	U-1000	U-305	22.9	10.4							0.200	5.08						

Color Code: see chart below
Third party verified to TIA/EIA-568-A, Category 3 • Jacket sequentially marked at 0.6 m intervals.

BC = Bare Copper • DCR = DC resistance
† 25-pair NEXT is Power Sum tested.

⊗ Not RoHS compliant at time of printing.

Color Code

Pair No.	Color
1	White/Blue Stripe & Blue/White Stripe
2	White/Orange Stripe & Orange/White Stripe
3	White/Green Stripe & Green/White Stripe
4	White/Brown Stripe & Brown/White Stripe
5	White/Grey Stripe & Grey/White Stripe
6	Red/Blue Stripe & Blue/Red Stripe
7	Red/Orange Stripe & Orange/Red Stripe
8	Red/Green Stripe & Green/Red Stripe
9	Red/Brown Stripe & Brown/Red Stripe
10	Red/Grey Stripe & Grey/Red Stripe

Color Code

Pair No.	Color
11	Black/Blue Stripe & Blue/Black Stripe
12	Black/Orange Stripe & Orange/Black Stripe
13	Black/Green Stripe & Green/Black Stripe
14	Black/Brown Stripe & Brown/Black Stripe
15	Black/Grey Stripe & Grey/Black Stripe
16	Yellow/Blue Stripe & Blue/Yellow Stripe
17	Yellow/Orange Stripe & Orange/Yellow Stripe
18	Yellow/Green Stripe & Green/Yellow Stripe
19	Yellow/Brown Stripe & Brown/Yellow Stripe
20	Yellow/Grey Stripe & Grey/Yellow Stripe
21	Purple/Blue Stripe & Blue/Purple Stripe
22	Purple/Orange Stripe & Orange/Purple Stripe
23	Purple/Green Stripe & Green/Purple Stripe
24	Purple/Brown Stripe & Brown/Purple Stripe
25	Purple/Grey Stripe & Grey/Purple Stripe

D-Series Multipair U/UTP Cables

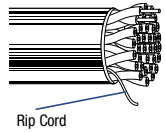
TIA/EIA-568-A, Category 3,
Non-Bonded-Pair Cables

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. ()	Min. RL dB
			ft.	m	lbs.	kg		inch	mm		inch	mm			NEXT dB	ACR dB/100m	ELFEXT dB/100m		

Cat 3 • 24 AWG • Solid 0.5 mm Bare Copper • Twisted Pair • Rip Cord

Polyolefin Insulation • LSNH Jacket (Grey or Blue)

Olive Grey, Reel							0.51 mm 24 AWG Solid BC	0.031	0.80	Non- Bonded-Pair Unshielded U/UTP			1	2.6	41.0	-	-	100 ± 15	12.0
													4	5.6	32.0	-	-	100 ± 15	12.0
													8	8.5	28.0	-	-	100 ± 15	12.0
													10	9.7	26.0	-	-	100 ± 15	12.0
													16	13.1	23.0	-	-	100 ± 15	10.0



NN00097	25-Pair	1000 3280	305 1000	107.4 352.0	48.8 160.0							0.417	10.60						
NN00099	50-Pair	1000 3280	305 1000	199.3 653.4	90.6 297.0							0.630	16.00						
NN00101	100-Pair	1575 3280	480 1000	370.4 1214.4	168.4 552.0							0.827	21.00						

Color Code: see chart below
Applicable industry standards: EN 50173, ISO/IEC 11801, TIA/EIA-568-A

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.	Tip	Ring
1	White/Blue	Blue/White
2	White/Orange	Orange/White
3	White/Green	Green/White
4	White/Brown	Brown/White
5	White/Slate	Slate/White
6	Red/Blue	Blue/Red
7	Red/Orange	Orange/Red
8	Red/Green	Green/Red
9	Red/Brown	Brown/Red
10	Red/Slate	Slate/Red
11	Black/Blue	Blue/Black
12	Black/Orange	Orange/Black
13	Black/Green	Green/Black
14	Black/Brown	Brown/Black
15	Black/Slate	Slate/Black

Pair No.	Tip	Ring
16	Yellow/Blue	Blue/Yellow
27	Yellow/Orange	Orange/Yellow
38	Yellow/Green	Green/Yellow
49	Yellow/Brown	Brown/Yellow
20	Yellow/Slate	Slate/Yellow
21	Violet/Blue	Blue/Violet
22	Violet/Orange	Orange/Violet
23	Violet/Green	Green/Violet
24	Violet/Brown	Brown/Violet
25	Violet/Slate	Slate/Violet