

Local Area Network

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High Performance Twisted Pair Data Cables — DataTwist® Five

Description UL AWM Style	Trade No. UL NEC Type CSA Cert.	No. of Pairs	Standard Lengths		Std. Unit Lbs. ea.	Insulation Thickness		Nominal O.D.		Nominal Capacitance		Nominal D.C.R. Cond.	Nom. Imp. (ohms)	Freq. MHz	Maximum Attenuation		Minimum N.E.X.T.*	
			ft.	m		Inch	mm	Inch	mm	pF/ft.	pF/m				dB/ 1000 ft.	dB/ 100 m	dB/ 1000 ft.	dB/ 305 m

24 Gage

Solid Conductors
Shielded

PVC Jacketed

Product Description

24 AWG solid bare copper, polyolefin insulated, twisted pairs. Overall Beldfoil® shield with drain wire, ripcord, Light Gray or Blue PVC jacket. See DataTwist Color Code Chart in Technical Information Section. Third party verified to EIA/TIA 568 Category 5.

	1589A NEC CM CSA PCC FT1	2	1000	305	21.1	.0115 ⁵	.292 ⁵	.204	5.18	15	49.2	26Ω/M*	100	4	13	4.27	53	53
			U-1000	U-305	20.2										20	6.56	47	47
			1640	500	35.8										16	25	8.20	44
			3000	914.4	62.8													
						RJ45 Compatible								31.25	36	11.8	40	40
														100	67	22.0	32	32
	1584A NEC CM CSA PCC FT1	4	1000	305	33.4	.0115 ⁵	.292 ⁵	.244	6.20	15	49.2	26Ω/M*	100	4	13	4.27	53	53
			U-1000	U-305	30.8										20	6.56	47	47
			1640	500	52.0										16	25	8.20	44
			3000	914.4	92.4													
						RJ45 Compatible								31.25	36	11.8	40	40
														100	67	22.0	32	32
	1633A NEC CM CSA PCC FT1	4	1000	305	33.4	.0115	.292	.244	6.20	15	49.2	26Ω/M*	100	4	13	4.27	53	53
			U-1000	U-305	30.8										20	6.56	47	47
			1640	500	52.0										16	25	8.20	44
			3000	914.4	92.5													
			3280	1000	100.3													
						Non RJ45 Compatible								31.25	36	11.8	40	40
														100	67	22.0	32	32

24 Gage

Solid Conductors
Unshielded

Plenum Jacketed

Product Description

24 AWG solid bare copper, FEP Teflon® insulated, twisted pairs, unshielded, ripcord, Natural or Blue Flamarrest® jacket. See DataTwist Color Code Chart in Technical Information Section. Third party verified to EIA/TIA Category 5.

	1590A NEC CMP CSA PCC FT4 FT6	2	1000	305	15.5	.007	.178	.178	4.47	15	49.2	26Ω/M*	100	4	13	4.27	53	53	
			3000	914.4	50.4										10	20	6.56	47	47
															16	25	8.20	44	44
														31.25	36	11.8	40	40	
														100	67	22.0	32	32	
	1585A NEC CMP CSA PCC FT4 FT6	4	1000	305	27.9	.007	.178	.206	5.23	15	49.2	26Ω/M*	100	4	13	4.27	53	53	
			3000	914.4	81.8										10	20	6.56	47	47
			A1000	305	34.50										16	25	8.20	44	44
														31.25	36	11.8	40	40	
														100	67	22.0	32	32	

24 Gage

Solid Conductors
Shielded

Plenum Jacketed

Product Description

24 AWG solid bare copper, FEP Teflon® insulated, twisted pairs, overall Beldfoil shield with drain wire, ripcord, Natural or Blue Flamarrest® jacket. See DataTwist Color Code Chart in Technical Information Section. Third party verified to EIA/TIA Category 5.

	1591A NEC CMP CSA PCC FT4 FT6	2	1000	305	29.2	.012 ⁵	.305 ⁵	.228	5.74	15	49.2	26Ω/M*	100	4	13	4.27	53	53	
			3000	914.4	74.5										10	20	6.56	47	47
															16	25	8.20	44	44
						RJ45 Compatible													
														31.25	36	11.0	40	40	
														100	67	22.0	32	32	
	1586A NEC CMP CSA PCC FT4 FT6	4	1000	305	36.4	.012 ⁵	.305 ⁵	.238	6.05	15	49.2	26Ω/M*	100	4	13	4.27	53	53	
			3000	914.4	104.8										10	20	6.56	47	47
															16	25	8.20	44	44
						RJ45 Compatible													
														31.25	36	11.0	40	40	
														100	67	22.0	32	32	
	1646A NEC CMP CSA PCC FT4 FT6	4	1000	305	36.17	.012	.305	.238	6.05	15	49.2	26Ω/M*	100	4	13	4.27	53	53	
			3000	914.4	109.18										10	20	6.56	47	47
															16	25	8.20	44	44
						Non RJ45 Compatible													
														31.25	36	11.8	40	40	
														100	67	22.0	32	32	

DataTwist® Five Color Codes

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

- * Capacitance between conductors.
- DuPont trademark.
- Near end crosstalk.
- Step Insulated.