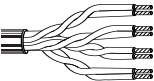


Industrial Data Solutions® – Industrial Ethernet Cables

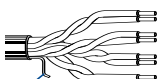
Category 5e DataTuff® Twisted Pair Cables

Heavy Duty Sunlight- and Oil-Resistant Jackets

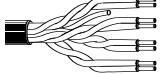


De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Freq. MHz	Max. Atten. dB/100m	Min. PSUM			Input Imp. (Ω)	Min. RL dB
			ft.	m	lbs.	kg		inch	mm		inch	mm			NEXT dB	ACR dB/100m	ELFEXT dB/100m		
Enhanced Cat 5e • 24 AWG • Bonded-Pair • Stranded (7x32) 0.6 mm Tinned Copper																			
Polyolefin Insulation • Industrial Grade Sunlight- and Oil-Resistant PVC Jacket (Black, Red or Teal)																			
Stranded Flexible  4-Pair	7924A	NEC:	1000	305	30.0	13.6	0.61 mm	0.039	0.99	Bonded-Pair	0.242	6.15	1	2.4	65.3	62.9	60.8	100 ± 12	20.0
		CMR	2000	610	58.0	26.3	24 AWG			Unshielded			4	4.8	56.3	51.5	48.7	100 ± 12	23.6
		CMX-Outdoor					(7x32) TC						8	6.8	51.8	45.0	42.7	100 ± 12	25.4
		CEC:											10	7.7	50.3	42.6	40.8	100 ± 12	26.0
		CMR FT4											16	9.7	47.3	37.5	36.7	100 ± 12	26.0
													25	12.4	44.3	31.9	32.8	100 ± 15	25.5
													31.25	13.9	42.9	29.0	30.9	100 ± 15	25.0
													62.5	20.2	38.4	18.3	24.8	100 ± 15	23.5
													100	26.0	35.3	9.2	20.8	100 ± 15	22.5
													155	33.2	32.5	–	16.9	100 ± 18	19.0
													200	38.4	30.8	–	14.7	100 ± 20	19.0
													250	43.7	29.3	–	12.8	100 ± 20	18.0
													350	53.2	27.2	–	9.9	100 ± 22	17.0
Cable passes -40°C Cold Bend per UL1581																			
Installation Temperature: -25°C to +75°C																			
Operating Temperature: -40°C to +75°C*																			
610 m put-up available in Black only.																			
										RJ-45 Compatible									
										Third party verified to TIA/EIA-568-B.2, Category 5e • U.S. Patents 5,606,151; 5,734,126 and 5,763,823									
										Jacket sequentially marked at 0.6 m intervals.									
										Color Code: see chart below									

Enhanced Cat 5e • 22 AWG • Bonded-Pair • Solid 0.6 mm Bare Copper • Rip Cord

Polyolefin Insulation • Industrial Grade Sunlight- and Oil-Resistant Black PVC Jacket																			
	PLTC 7922A	NEC:	1000	305	46.3	21.0	0.64 mm	0.048	1.22	Bonded-Pair	0.301	7.65	1	2.0	65.3	63.3	60.8	100 ± 12	20.0
		PLTC	2000	610	92.6	42.0	22 AWG			Unshielded			4	4.0	56.3	52.3	48.7	100 ± 12	23.0
		CMR					Solid BC						8	5.7	51.8	46.1	42.7	100 ± 12	24.5
		CMX-Outdoor											10	6.4	50.3	43.9	40.8	100 ± 12	25.0
		CEC:											16	8.1	47.3	39.1	36.7	100 ± 12	25.0
		CMR FT4											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	24.8	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
Cable passes -25°C Cold Bend per UL1581																			
Installation Temperature: -10°C to +75°C																			
Operating Temperature: -25°C to +75°C*																			
										Third party verified to TIA/EIA-568-B.2, Category 5e									
										U.S. Patents 5,606,151 and 5,734,126									
										Jacket sequentially marked at 0.6 m intervals.									
										Color Code: see chart below									

Cat 6 • 23 AWG • Bonded-Pair • Solid 0.6 mm Bare Copper

Plenum • FEP Insulation • Sunlight-, Oil- and Gas-Resistant Black FEP Jacket																			
High & Low Temp	7931A	NEC:	1000	305	35.1	15.9	0.57 mm	0.038	0.97	Bonded-Pair	0.214	5.44	1	2.0	72.3	70.3	64.8	100 ± 15	20.0
Oil Res I & II		Limited					23 AWG			Unshielded			10	6.0	57.3	51.3	44.8	100 ± 15	25.0
Gas Res		Combustible					Solid BC						20	8.5	52.8	44.3	38.7	100 ± 15	25.0
		FHC 25/50											31.25	10.7	49.9	39.2	34.9	100 ± 15	23.6
		CMP											62.5	15.4	45.4	30.0	28.8	100 ± 15	21.5
		CEC:											100	19.8	42.3	22.5	24.8	100 ± 15	20.1
		CMP FT6											200	29.0	37.8	8.8	18.7	100 ± 22	18.0
													250	32.8	36.3	3.5	16.8	100 ± 32	17.3
																			
4-Pair																			
			Cable passes -70°C Cold Bend per UL1581										RJ-45 Compatible						
			Installation Temperature: -55°C to +150°C										Third party verified to TIA/EIA-568-B.2-1, Category 6 • U.S. Patents 5,606,151 and 5,734,126						
			Operating Temperature: -70°C to +150°C*										Jacket sequentially marked at 0.6 m intervals.						
													Color Code: see chart below						

TC = Tinned Copper • 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

* Subject to length de-rating.

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