

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 • Solid 0.5 mm Bare Copper • Twisted Pairs • Rip Cord

Polyolefin Insulation • Industrial Grade Sunlight- and Oil-Resistant PVC Jacket (Black, Red or Teal)

<p>Rip Cord</p> <p>4-Pair</p>	7923A	NEC:	1000	305	28.0	12.7	0.51 mm	0.038	0.97	Bonded-Pair	0.230	5.84	1	2.0	65.3	68.3	60.8	100 ± 12	20.0	
		CMR	2000	610	54.0	24.5	24 AWG			Unshielded				4	4.0	56.3	52.3	48.7	100 ± 12	23.6
		CMX-Outdoor												8	5.7	51.8	46.1	42.7	100 ± 12	25.4
		CEC:												10	6.4	50.3	43.9	40.8	100 ± 12	26.0
		CMR FT4												16	8.1	47.3	39.1	36.7	100 ± 12	26.0
														25	10.3	44.3	34.1	32.1	100 ± 15	25.5
														31.25	11.6	42.9	31.3	30.9	100 ± 15	25.0
														62.5	16.8	38.4	21.6	24.8	100 ± 15	23.5
														100	21.7	35.3	17.1	20.8	100 ± 15	22.5
														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 -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 and 5,734,126
P-07-KA060003-MSHA**
Jacket sequentially marked at 0.6 m intervals.

EtherNet/IP Compliant

Enhanced Cat 5e • 24 AWG • Bonded-Pair • Solid 0.5 mm Bare Copper • Rip Cord

Polyolefin Insulation • PVC Inner Jacket • Industrial Grade PVC Outer Jacket (Black, Grey, Red, Teal or Blue)

<p>Rip Cord</p> <p>4-Pair</p>	Upjacketed 11700A	NEC:	1000	305	39.0	17.7	0.51 mm	0.038	0.97	Bonded-Pair	0.285	7.24								see above	
		CMR	3000	914	117.3	53.2	24 AWG			Unshielded											
		CMX-Outdoor																			
		CEC:																			
		CMR FT4																			

Cable passes -40°C Cold Bend per UL1581
Installation Temperature: -25°C to +75°C
Operating Temperature: -40°C to +75°C*
914 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 and 5,734,126
P-07-KA060005-MSHA**
Outer jacket is sunlight- and oil-resistant. Jacket sequentially marked at 0.6 m intervals.

EtherNet/IP Compliant

Enhanced Cat 5e • 24 AWG • Bonded-Pair • Solid 0.5 mm Bare Copper • Polyester Wrap • Rip Cord

Polyolefin Insulation • PVC Inner Jacket • Interlocked AL Armor • Industrial Grade PVC Outer Jacket (Black or Grey)

<p>Rip Cord</p> <p>4-Pair CMG</p>	Interlocked AL Armor 121700A	NEC:	1000	305	158.7	72.0	0.51 mm	0.038	0.97	Bonded-Pair	0.530	13.46								see above	
		CM	3000	914	464.3	210.6	24 AWG			Unshielded											
		CEC:																			
		HL																			
		CMG FT4																			

Cable passes -40°C Cold Bend per UL1581
Installation Temperature: -25°C to +75°C
Operating Temperature: -40°C to +75°C*
914 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 and 5,734,126
Verified to TIA/EIA-568-B.2, Category 5e
Outer jacket is sunlight- and oil-resistant. Jacket sequentially marked at 1 m intervals.

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. • ** Pennsylvania Department of Environmental Resources and United States Mine Safety and Health Administration Certification.

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

