

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 6 • 23 AWG • Bonded-Pair • Solid 0.6 mm Bare Copper • Patented E-Spline Center Member • Rip Cord																				
Polyolefin Insulation • Industrial Grade Sunlight- and Oil-Resistant Black PVC Jacket																				
<p>Rip Cord 4-Pair</p>	7927A	NEC:	1000	305	44.1	20.0	0.57 mm	0.042	1.07	Bonded-Pair	0.251	6.38	1	1.9	80.3	78.5	70.8	100 ± 12	20.0	
		CMR	2000	610	88.0	39.9	23 AWG			Unshielded	x	x	10	5.7	65.3	59.6	50.8	100 ± 12	25.0	
		CEC:						Solid BC												
		CMR FT4									0.339	8.61	31.25	10.2	57.9	47.7	40.9	100 ± 15	25.0	

Cable passes -40°C Cold Bend per UL1581
Installation Temperature: -25°C to +75°C
Operating Temperature: -40°C to +75°C*

RJ-45 Compatible
Third party verified to TIA/EIA-568-B.2-1, Category 6
U.S. Patents 5,606,151; 5,734,126; 5,789,711 and 6,297,454-B1
Jacket sequentially marked at 0.6 m intervals.

* PSUM ACR
> 0 is guaranteed to 460 MHz

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

Polyolefin Insulation • PVC Inner Jacket • Industrial Grade PVC Outer Jacket (Black and Grey)																			
<p>Rip Cord 4-Pair Mediatwist™ Construction</p>	11872A	NEC:	1000	305	66.1	30.0	0.57 mm	0.041	1.04	Bonded-Pair	0.475	12.07	1	1.9	72.3	70.0	64.8	100 ± 12	20.0
		CM					23 AWG			Unshielded	x	x	4	3.7	63.3	59.0	52.7	100 ± 12	23.0
		CEC:					Solid BC												
		CM									0.265	6.73	10	5.9	57.3	51.0	44.8	100 ± 12	25.0
		FT1																	

Cable passes -25°C Cold Bend per UL1581
Installation Temperature: -10°C to +75°C
Operating Temperature: -25°C to +75°C*

RJ-45 Compatible
Verified to TIA/EIA-568-B.2-1, Category 6
U.S. Patents 5,606,151, 5,734,126 and 5,821,467
Jacket sequentially marked at 0.6 m intervals.

* Value provided for information only.

Enhanced Cat 6 • 23 AWG • Bonded-Pair • Solid 0.6 mm Bare Copper • Polyester Wrap • Rip Cord

Polyolefin Insulation • PVC Inner Jacket • Interlocked AL Armor • Industrial Grade PVC Outer Jacket (Black and Grey)																			
<p>Rip Cord 4-Pair Mediatwist™ Construction</p>	121872A	NEC:	1000	305	221.8	100.8	0.57 mm	0.041	1.04	Bonded-Pair	0.684	17.37							
		AL Armor					23 AWG			Unshielded									
		CEC:					Solid BC												
		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*

RJ-45 Compatible
Verified to TIA/EIA-568-B.2-1, Category 6
U.S. Patents 5,606,151, 5,734,126 and 5,821,467
Jacket sequentially marked at 1 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
* 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