



CAT6A F/UTP LDPE SOLID CORE UV STABILIZED CABLE ROLL 305M: BLACK

4Cabling's CAT6A F/UTP LDPE 305M Ethernet Cable is made from 100% bare copper and supplied on a sturdy wooden tray. Our cable is independently third-party tested and certified to ISO/IEC 11801, TIA/EIA-568-C.2; and is RoHS compliant.

Features

- Fully tested at 100M to 10GBASE-T (500MHz) ISO/IEC 11801, TIA/EIA-568-C.2, CAT6A standard
- Complies with RoHS standards.
- Supports speeds of up to 10Gb/s for up to 100m
- UV Stabilized
- Operating temperature -40C° to 70C°
- Gauge: 23AWG
- Colour: Black
- Length: 305m

Compliances

- ISO/IEC 11801, TIA/EIA-568-C.2
- RoHS Compliant
- 1 Year Warranty

Category	F/UTP CAT6A-4P-PE				<div><div>White- Blue /Blue</div><div>White-Orange /Orange</div><div>White-Green /Green</div><div>White-Brown /Brown</div><div>Separator</div><div>Mylar</div><div>AL/Mylar</div><div>Drain wire</div><div>Sheath</div><div>Rip-cord</div></div>				
Reference Standard	ISO/IEC 11801, TIA-568-C.2								
Conductor	Material	SOLID-Bare Copper							
	Nom.O.D.(mm)	0.565	up down	+0.005 -0.005					
Insulation	Material	HDPE							
	Diameter	1.12±0.05 mm							
Screening Material	Mylar+ AL/Mylar								
Sheath	Thickness	0.60±0.05mm			Technical Performance (100m):				
	External O.D.	7.4±0.4 mm			Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
	Surface	Clean,Frap,Satiation			1	20.0	—	74.3	570.0
	Material	LDPE(complies RoHS)			4.0	23.0	3.8	65.3	552.0
	Color	Black			8.0	24.5	5.3	60.8	546.7
Surface Printing	Letter height	3.0±0.3mm			10.0	25.0	5.9	59.3	545.4
	Color	White			16.0	25.0	7.5	56.2	543.0
	Print error & Space	≤±0.5%, 1m			20.0	25.0	8.4	54.8	542.1
					25.0	24.3	9.4	53.3	541.2
Core Color	1 White- Blue /Blue	2 White-Orange /Orange			31.25	23.6	10.5	51.9	540.4
	3 White- Green /Green	4 White- Brown /Brown			62.5	21.5	15.0	47.4	538.6
					100	20.1	19.1	44.3	537.6
Packing	Wooden Tray				200	18.0	27.6	39.8	536.5
Dielectric Strength	DC 2500V 2S No Breakdown				250	17.3	31.1	38.3	536.3
Packing length	(305±1.5)m				300	16.8	34.3	37.1	536.1
Rip-cord	Yes	Drain wire	Yes		500	15.2	45.3	33.8	535.6
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥10.0			Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB	
	Elongation(%)	≥350			1	72.3	68.0	65.0	
	Aging Period(°C×hrs)	100℃×24h×10d			4	63.3	56.0	53.0	
	After Aging Elongation(%)	≥300			8	58.8	49.9	46.9	
	Cold bend(-20±2℃×4h)	8×Cable O.D. No visible cracks			10	57.3	48.0	45.0	
Electrical Characteristics (20℃)	Impedance(Ω)	1.0-250.0MHz	100±15		16	54.2	43.9	40.9	
		250.0-500.0MHz	100±22		20	52.8	42.0	39.0	
	1.0-500.0MHz Delay Skew (ns/100m)	≤45			25	51.3	40.0	37.0	
	Unbalanced-to-ground capacitance (pf/100m) max	330			31.25	49.9	38.1	35.1	
	DC Resistance (Ω/100m) max	9.38			62.5	45.4	32.1	29.1	
	DC Conductor Resistance Unbalance (%) max	5.0			100	42.3	28.0	25.0	
				200	37.8	22.0	19.0		
				250	36.3	20.0	17.0		
				300	35.1	18.5	15.5		
				500	31.8	14.0	11.0		



QHS Certification Services



Powering business potential

