4CABLING
QUALITY PRODUCTS FOR A CONNECTED WORLD

CAT 6A

SKU SLD.C6AFUTP.UVGF.BLACK

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

4Cabling'sCAT6A F/UTP UV Stabilized LDPE Solid Core Gel Filled Cable is made from 100% bare copper and supplied on a sturdy wooden drum. Our cable is independently third-party tested and certified to ISO/IEC 11801, TIA/EIA-568-C.2; and is RoHS compliant.

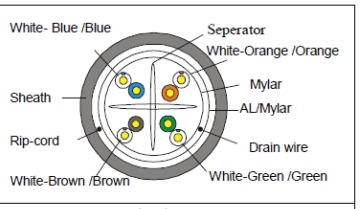
Features

- 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 for aerial applications
- Gel Filled for direct burial applications
- Jacket Material: LDPE
- Colour: Black
- Length: 305m

Compliances

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

Category	F/UTP CAT6A-4P-PE				
Reference Standard	ISO/IEC11801、TIA-568-C.2				
Conductor	Material	SOLID-Bare Copper			
	Nom.O.D.(mm)	0.565	up	+0.005	
			down	-0.005	
Insulation	Material	HDPE			
	Diameter	1.12±0.05 mm			
Screening Material	Mylar+ AL/Mylar				
Sheath	Thickness	0.60±0.05mm			
	External O.D.	7.4±0.4 mm			
	Surface	Clean,Frap,Satiation			
	Material	LDPE(complies RoHS)			
	Color	Black			
Surface Printing	Letter height	3.0±0.3mm			
	Color	White			
	Print error & Space	≤±0.5%，1m			
Core Color	1 White- Blue /Blue	2 White-Orange /Orange			
	3 White- Green /Green	4 White- Brown /Brown			
Packing	Wooden Tray				
Dielectric Strength	DC 2500V 2S No Breakdown				
Packing length	(305±1.5)m				
Rip-cord	Yes	Drain wire	Yes		
Sheath Physical Properties	Before Aging Tensile Strength (Mpa) ≥10.0 Elongation(%) ≥350				
	Aging Period((℃×hrs) 100℃×24h×10d				
	After Aging Elongation(%) ≥300				
	Cold bend(-20±2℃×4h) 8×Cable O.D. No visible cracks				
Electrical Characteristics (20℃)	Impedance(Ω) 1.0-250.0MHz 100±15 250.0-500.0MHz 100±22				
	1.0-500.0MHz Delay Skew (ns/100m) ≤45				
	Unbalanced-to-ground capacitance (pf/100m) max 330				
	DC Resistance (Ω/100m) max 9.38				
	DC Conductor Resistance Unbalance (%) max 5.0				



Technical Performance (100m):

Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
1	20.0	—	74.3	570.0
4.0	23.0	3.8	65.3	552.0
8.0	24.5	5.3	60.8	546.7
10.0	25.0	5.9	59.3	545.4
16.0	25.0	7.5	56.2	543.0
20.0	25.0	8.4	54.8	542.1
25.0	24.3	9.4	53.3	541.2
31.25	23.6	10.5	51.9	540.4
62.5	21.5	15.0	47.4	538.6
100	20.1	19.1	44.3	537.6
200	18.0	27.6	39.8	536.5
250	17.3	31.1	38.3	536.3
300	16.8	34.3	37.1	536.1
500	15.2	45.3	33.8	535.6

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	72.3	68.0	65.0
4	63.3	56.0	53.0
8	58.8	49.9	46.9
10	57.3	48.0	45.0
16	54.2	43.9	40.9
20	52.8	42.0	39.0
25	51.3	40.0	37.0
31.25	49.9	38.1	35.1
62.5	45.4	32.1	29.1
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