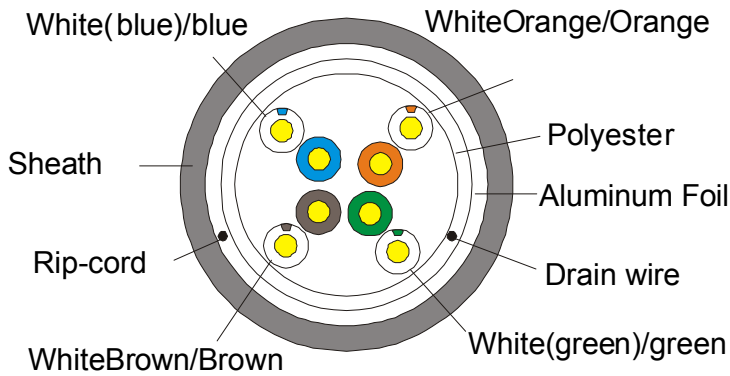


CAT5E STP EXTERNAL SOLID CABLE

C-STPEXT-SLDBK



TECHNICAL SPECIFICATIONS

Category	F/UTP CAT5E4PPE		
Test Standard	ISO/IEC11801, TIA568C, 2 YD/T1019		
Conductor	Material	SOLID Bare Copper	
	Nom. O.D.(mm)	0.500	up: +0.005 down: 0.005
Insulation	Material	HDPE	
	Diameter	1.00 ±0.03 mm	
Screening Material	Aluminium Foil		
Sheath	Thickness	0.55 ±0.05mm	
	External O.D.	6.3 ±0.4mm	
	Surface	Clean, Frap, Satiation	
	Material	LDPE (complies RoHS)	
Surface Printing	Colour	Black	
	Letter height	3.0 ±0.3mm	
	Colour	White	
Core Colour	Print error & Space	≤ ±0.5%, 1m	
	1. WhiteBlue/Blue	2. WhiteOrange/Orange	
	3. WhiteGreen/Green	4. WhiteBrown/Brown	
Packing	Wooden Tray		
Packing length	305 ±1.5m		
Ripcord	Yes	Drain wire	TC 0.45mm
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥10.0	
	Elongation (%)	≥350	
	Aging Period (°C×hrs)	100°C×24h×10d	
	After Aging Elongation(%)	≥300	
	Cold bend	(20±2°C ×4 h)	8×Cable O.D.
Electrical Characteristics (20°C)	No visible cracks		
	1.0100.0MHz	Impedance(Ω) 100±15	
	1.0100.0MHz	Delay Shew (ns/100m) ≤45	
	Unbalanced-to-ground capacitance	(pf/100m), max 330	
	DC Resistance (Ω/100m) max	9.5	
	DC Conductor Resistance Unbalance	(%) max 5.0	

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TECHNICAL PERFORMANCE (100m)				
Frequency (MHz)	RL ≥dB	ATT (20°C) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
1	20.0	2.0	65.3	570.00
4	23.0	4.1	56.3	552.00
8	24.5	5.8	51.8	546.73
10	25.0	6.5	50.3	545.38
16	25.0	8.2	47.2	543.00
20	25.0	9.3	45.8	542.05
25	24.3	10.4	44.3	541.20
31.25	23.6	11.7	42.9	540.44
62.5	21.5	17.0	38.4	538.55
100	20.1	22.0	35.3	537.60

TECHNICAL PERFORMANCE (100m)			
Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	62.3	63.8	60.8
4	53.3	51.8	48.8
8	48.8	45.7	42.7
10	47.3	43.8	40.8
16	44.4	39.7	36.7
20	42.8	37.8	37.8
25	41.3	35.8	32.8
31.25	39.9	33.9	30.9
62.5	35.4	27.9	24.9
100	32.3	23.8	20.8