

PRODUCT SPECIFICATION

Category 6 SSTP Solid Shielded Cable, 23AWG×4P, LSZH



CONSTRUCTION & CHARACTERISTICS:

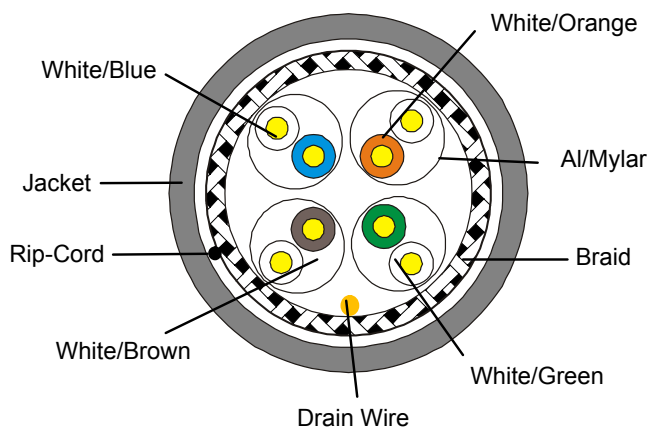
Conductor	Material	SOLID-Bare Copper		
	Nom. O.D.(mm)	0.560	Up	+0.005
			Down	-0.005
Insulation	Material	Skin-foam-skin PE		
	Diameter	1.330±0.05 mm		
Inner Screening Material	Al/Mylar		Drain wire	TC0.45
Outer Screening Material	Tinned Copper 0.10mm		Coverage	≥30%
Sheath	Thickness	0.55±0.05 mm		
	External O.D.	7.5±0.5 mm		
	Surface	Clean		
	Material	LSZH (complies RoHS)		
	Colour	According to the requires		
Surface Printing	Letter height	3.0 ±0.3mm		
	Colour	Black		
	Print Error & Space	≤±0.5%, 1m		
Core Colour	1 White/Blue		2 White/Orange	
	3 White/Green		4 White/Brown	
Packing	Wooden Tray & Carton			
Packing length	305 ±1.0m			
Rip-cord	Yes			
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥10.0	
		Elongation (%)	≥125	
	Aging Period (°C x hrs)	100°C x 24h x 7days		
	After Aging	Tensile Strength (Mpa)	≥8.0	
		Elongation (%)	≥100	
	Cold bend (-20±2 °C×4h)	8×Cable O.D., No visible cracks		
Electrical Characteristics (20°C)	Delay Shew (ns/100m)		≤45	
	Velocity of Propagation (%)		74	
	Unbalanced-to-ground capacitance		330 (pf/100m) max	
	DC Resistance (Ω/100m) max		9.38	
	Mutual Capacitance		56 pF/m	
	DC Conductor Resistance Unbalance (%) max		2.0	

ELECTRICAL PERFORMANCES:

Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns
1	20.0	2.1	74.3	570.0
4.0	23.0	2.1	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

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≤dB	PSELFEXT ≥dB
1	20.0	72.3	64.8
4	23.0	63.3	52.8
8	24.5	58.8	46.7
10	25.0	57.3	44.8
16	25.0	54.2	40.7
20	25.0	52.8	38.8
25	24.3	51.3	36.8
31.25	23.6	49.9	34.9
62.5	21.5	45.4	28.9
100	20.1	42.3	24.8
200	18.0	37.8	18.8
250	17.3	36.3	16.8

CONFIGURATION:



Although every precaution has been taken to ensure the accuracy of the product specifications at the time of publication, we cannot be responsible for the errors, omissions, or changes due to obsolescence. All data contained herein is subject to change without notice.