

## PRODUCT SPECIFICATION

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



#### CONSTRUCTION & CHARACTERISTICS:

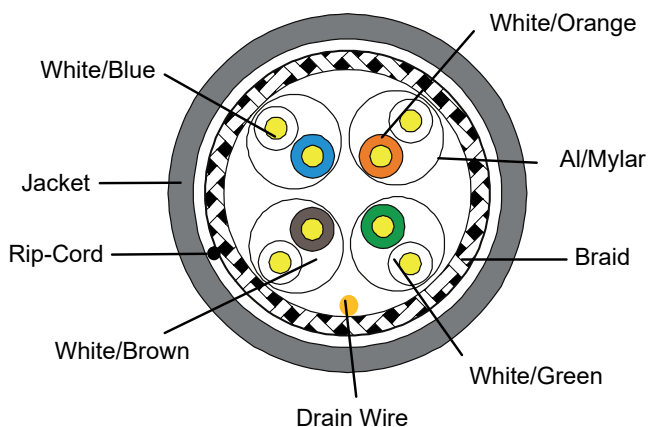
<b>Conductor</b>	Material	SOLID-Bare Copper		
	Nom. O.D.(mm)	0.560	Up	+0.005
			Down	-0.005
<b>Insulation</b>	Material	Skin-foam-skin PE		
	Diameter	1.330±0.05 mm		
<b>Inner Screening Material</b>	Al/Mylar		Drain wire	TC0.45
<b>Outer Screening Material</b>	Tinned Copper 0.10mm		Coverage	≥30%
<b>Sheath</b>	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		
<b>Surface Printing</b>	Letter height	3.0 ±0.3mm		
	Colour	Black		
	Print Error & Space	≤±0.5%, 1m		
<b>Core Colour</b>	1 White/Blue		2 White/Orange	
	3 White/Green		4 White/Brown	
<b>Packing</b>	Wooden Tray & Carton			
<b>Packing length</b>	305 ±1.0m			
<b>Rip-cord</b>	Yes			
<b>Sheath Physical Properties</b>	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 °Cx4h)	8×Cable O.D., No visible cracks		
<b>Electrical Characteristics (20°C)</b>	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.