



Sheath Printing	TBD								
Category	S/FTP-CAT8-4P- LSZH-TC60(IEC60332-1)								
Reference Standard	ISO/IEC 11801 & ANSI/TIA-568.2-D								
Conductor	Material	Solid-Bare Copper							
	Nom.O.D.(mm)	0.596	up	+0.005					
			down	-0.005					
Insulation	Material	Skin-Foam-skin PE							
	Diameter	1.480±0.05mm							
Inner Screening Material	Al/Mylar	Drain Wire	No						
Outer Screening Material	Tinned Copper	Coverage	≥60%						
Sheath	Thickness	0.55±0.05 mm (Avg.)			Technical Performance (100m):				
	External O.D.	8.0±0.5 mm			Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PSNEXT ≥dB
	Surface	Clean			1	19.0	3.0	65.0	62.0
	Material	LSZH(complies RoHS), IEC60332-1			4.0	19.0	3.0	63.8	60.5
	Color	TBD			8.0	19.0	3.0	58.9	55.6
Surface Printing	Letter height	3.0±0.3mm			10.0	19.0	3.0	57.3	54.0
	Color	Black			16.0	18.0	3.0	53.9	50.6
	Print error & Space	±0.5%, 1m			20.0	17.5	3.0	52.3	49.0
					25.0	17.0	3.2	50.7	47.3
Core Color	1 White /Blue	2 White/Orange			31.25	16.5	3.6	49.1	45.7
	3 White/Green	4 White/Brown			62.5	16.0	5.1	44.0	40.6
Packing	Drum				100	16.0	6.5	40.5	37.1
Wooden Tray Dimension	According to the requires				200	14.3	9.3	35.3	31.9
Packing length	30±0.3m; 100±0.5m;305±1.5m;500±5m;1000±10m				250	13.4	10.4	33.6	30.2
Rip-cord	Yes				300	12.7	11.5	32.3	28.8
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥10.0			400	11.6	13.3	30.1	26.6
	Elongation(%)	≥125			500	10.7	15.0	27.9	24.8
	Aging Period (°C×hrs)	100°C×24h×7d			600	10.0	16.5	25.7	22.7
	After Aging Tensile Strength(Mpa)	≥8.0			1000	8.0	22.0	19.3	16.5
	Elongation(%)	≥100			1500	8.0	22.7	13.9	11.2
	Cold bend(-20±2°C×4h) 8×Cable O.D. No visible cracks				2000	8.0	32.7	9.8	7.3
Electrical Characteristics (20°C)	Impedance(Ω) (1-100MHz)	100±15Ω			Frequency (MHz)	ACR-F ≥dB	PS ACR-F ≥dB	ACR-N ≥dB	PS ACR-N ≥dB
	(100-250MHz)	100±18Ω			1.0	65.0	62.0	62.0	59.0
	(250-1000MHz)	100±25Ω			4.0	59.9	56.9	60.8	57.5
	Delay Skew (ns/100m) ≤25				8.0	53.9	50.9	55.9	52.6
	Velocity of Propagation (%) max 78				10.0	52.0	49.0	54.3	51.0
	Unbalanced to ground capacitance (pf/100m) max 120				16.0	47.9	44.9	50.9	47.6
	DC Resistance (Ω/100m) max 9.5				20.0	45.9	42.9	49.3	46.0
DC Conductor Resistance Unbalance (%) max 2.0				25.0	44.0	41.0	47.5	44.1	
				31.25	42.1	39.1	45.5	42.1	
				62.5	36.0	33.0	38.9	35.5	
				100	32.0	29.0	34.0	30.6	
				200	25.9	22.9	26.0	22.6	
				250	24.0	21.0	23.2	19.7	
				300	22.4	19.4	20.8	17.3	
				400	19.9	16.9	16.8	13.2	
				500	18.0	15.0	12.9	9.9	
				600	16.4	13.4	9.2	6.2	
				1000	12.0	9.0	-2.6	-5.5	
				1500	8.4	5.4	-13.8	-16.4	
				2000	5.9	2.9	-22.9	-25.3	

Part No	Description
108-81001	CAT 8 S/FTP CABLE-LSZH SHEATH

