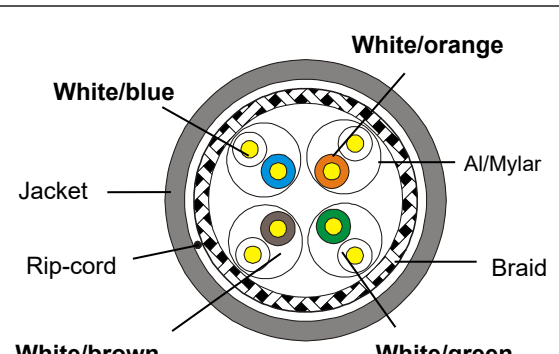


S/FTP 4Pairs cable-category7A-LSZH Sheath

P/N: LG2701-034

Content of the Data Sheet

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Sheath Printing		TBD													
Customer No.			Customer Reference												
Category		S/FTP-CAT7A-4P-LSZH-TC30													
Reference Standard		ISO/IEC 61156-5;EN 50288-4													
Conductor		Material		SOLID-Bare Copper											
		Nom.O.D.(mm)		0.560	up down	+0.005 -0.005									
Insulation		Material		Skin-foam-skin PE											
		Diameter		1.330±0.05 mm											
Inner Screening Material		Al/Mylar		Drain wire		No									
Outer Screening Material		Tinned copper		Coverage		≥30%									
Sheath		Thickness		0.55±0.05 mm			Technical Performance :								
		External O.D.		7.6±0.5 mm			Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns				
		Surface		Clean			1.0	20.0	2.1	78.0	570.0				
		Material		LSZH (complies RoHS)			4.0	23.0	3.7	78.0	552.0				
		Color		TBD			8.0	24.5	5.2	78.0	546.7				
Surface Printing		Letter height		3.0±0.3mm			10.0	25.0	5.8	78.0	545.4				
		Color		Black			16.0	25.0	7.3	78.0	543.0				
		Print error & Space		≤±0.5%, 1m			20.0	25.0	8.2	78.0	542.0				
							25.0	24.3	9.2	78.0	541.2				
Core Color		1 White/Blue		2 White/Orange			31.25	23.6	10.3	78.0	540.4				
		3 White/Green		4 White/Brown			62.5	21.5	14.6	78.0	538.6				
Packing		Drum						100	20.1	18.5	75.4	537.6			
Wooden Tray dimension		According to the requires						125	19.4	22.8	74.0	536.9			
								200	18.0	26.5	70.9	536.5			
								250	17.3	29.7	69.4	536.3			
Packing length		305±1.0m						300	17.3	32.7	68.2	536.1			
Rip-cord		Yes						600	17.3	47.1	63.7	535.5			
Sheath Physical Properties		Before Aging Tensile Strength (Mpa)		≥10.0			Frequency (MHz)		PSNEXT ≥dB		ELFEXT ≥dB		PSELFEXT ≥dB		
		Elongation (%)		≥125			1		75.0		78.0		75.0		
		Aging Period (℃×hrs)		100℃×24h×7d			4		75.0		78.0		75.0		
		After Aging Tensile Strength (Mpa)		≥8.0			8		75.0		78.0		75.0		
		Elongation (%)		≥100			10		75.0		78.0		75.0		
Electrical Characteristics (20℃)		Cold bend (-20±2℃×4h) 8×Cable O.D., No visible cracks						16		75.0		78.0		75.0	
		Impedance(Ω) : (1-100MHz)		100±15Ω			20		75.0		78.0		75.0		
		(100-250MHz)		100±18Ω			25		75.0		77.3		74.3		
		(250-1000MHz)		100±25Ω			31.25		75.0		75.4		72.4		
		Delay Skew (ns/100m)		≤25			62.5		75.0		69.4		66.4		
		Velocity of Propagation (%)		74			100		72.4		65.3		62.3		
		unbalanced-to-ground capacitance (pf/100m) max		330			125		71.0		63.4		60.4		
DC Resistance (Ω/100m) max		9.38			200		67.9		59.3		56.3				
DC Conductor Resistance Unbalance (%) max		2.0			250		66.4		57.3		54.3				
Version	A/02	Date	2022-02-25	Revised By	Caihangle	Audited By	Nidonghua	Approved By	Nidonghua						

Number	Revise Contents	Revise Reasons	Revised By	Audited By	Approved By	Date
A/01	Specification Version 1		Caihanglie	Nidonghua	Nidonghua	2017-08-25
A/02	Specification Version 2		Caihanglie	Nidonghua	Nidonghua	2022-02-25