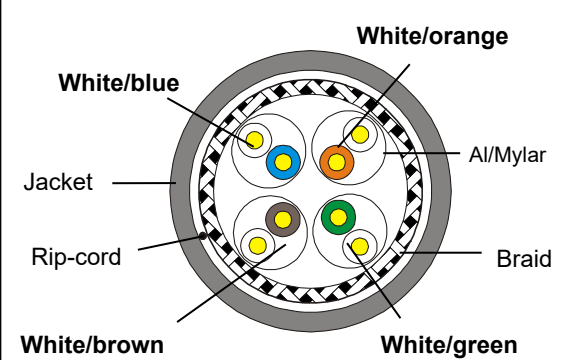


S/FTP 4Pairs cable-category7A-FR LSZH Sheath

P/N: LG2701-060

Content of the Data Sheet										
Sheath Printing	TBD									
Customer No.		Customer Reference								
Category	S/FTP-CAT7A-4P-LSZH-TC30(B2ca)									
Reference Standard	ISO/IEC 61156-5;EN 50288-9-1									
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	No							
Outer Screening Material	Tinned copper		Coverage	≥30%						
Sheath	Thickness	0.55±0.05 mm			Technical Performance (100m):					
	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	—	78.0	570.0	
	Material	FR-LSZH (complies RoHS)			4.0	23.0	3.74	78.0	552.0	
	Color	TBD			8.0	24.5	5.24	78.0	546.7	
Surface Printing	Letter height	3.0±0.3mm			10.0	25.0	5.86	78.0	545.4	
	Color	Black			16.0	25.0	7.41	78.0	543.0	
	Print error & Space	≤±0.5%, 1m			20.0	25.0	8.29	78.0	542.0	
					25.0	24.3	9.29	78.0	541.2	
Core Color	1 White/Blue	2 White/Orange			31.25	23.6	10.41	78.0	540.4	
	3 White/Green	4 White/Brown			62.5	21.5	14.88	75.5	538.6	
Packing	Drum				100	20.1	19.02	72.4	537.6	
Wooden Tray dimension	According to the requires				150	18.9	23.56	69.8	536.9	
Packing length	305±1.0m				200	18.0	27.47	67.9	536.5	
Rip-cord	Yes				250	17.3	30.97	66.4	536.3	
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)		≥9.0	300	17.3	34.19	65.2	536.1	
		Elongation (%)		≥100	600	17.3	50.10	60.7	535.5	
	Aging Period (℃×hrs)	100℃×24h×7d			700	14.2	54.63	59.7	535.4	
	After Aging	Tensile Strength (Mpa)		≥8.0	1000	13.1	66.93	57.3	535.1	
		Elongation (%)		≥70	Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB		
Electrical Characteristics (20℃)	Impedance(Ω) : (1-100MHz)	100±15Ω			1	75.0	78.0	75.0		
	(100-250MHz)	100±18Ω			4	75.0	78.0	75.0		
	(250-1000MHz)	100±25Ω			8	75.0	75.9	72.9		
	Delay Skew (ns/100m)	≤25			10	75.0	74.0	71.0		
	Velocity of Propagation (%)	74			16	75.0	69.9	66.9		
	unbalanced-to-ground capacitance (pf/100m) max	330			20	75.0	68.0	65.0		
	DC Resistance (Ω/100m) max	9.38			25	75.0	66.0	63.0		
DC Conductor Resistance Unbalance (%) max	2.0			31.25	75.0	64.1	61.1			
Reaction to fire Classification: B2ca,s1,d1,a1										
Version	A/02	Date	2022-02-25	Revised By	Caihanglie	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