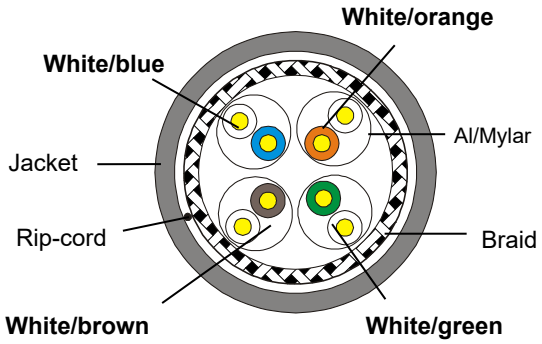
S/FTP 4Pairs cable-category7A-LSZH Sheath

P/N: LG2701-073

Content of the Data Sheet						
Sheath Printing	TBD					
Customer No.		Customer Reference				
Category	S/FTP-CAT7A-4P-LSZH-TC40(Dca)					
Reference Standard	ISO/IEC 61156-5;EN 50288-4					
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	≥40%			
Sheath	Thickness	0.55±0.05 mm				
	External O.D.	7.6±0.5 mm				
	Surface	Clean				
	Material	FR-LSZH (complies RoHS)				
	Color	TBD				
Surface Printing	Letter height	3.0±0.3mm				
	Color	Black				
	Print error & Space	≤±0.5%，1m				
Core Color	1 White/Blue	2 White/Orange				
	3 White/Green	4 White/Brown				
Packing	Drum					
Wooden Tray dimension	According to the requires					
Packing length	305±1.0m					
Rip-cord	Yes					
Sheath Physical Properties	Before Aging Tensile Strength (Mpa) ≥10.0					
	Elongation (%) ≥125					
	Aging Period (℃×hrs) 100℃×24h×7d					
	After Aging Tensile Strength (Mpa) ≥8.0					
	Elongation (%) ≥100					
	Cold bend (-20±2℃×4h) 8×Cable O.D.，No visible cracks					
Electrical Characteristics (20℃)	Impedance(Ω) : (1-100MHz) 100±15Ω					
	(100-250MHz) 100±18Ω					
	(250-1000MHz) 100±25Ω					
	Delay Skew (ns/100m) ≤25					
	Velocity of Propagation (%) 74					
	unbalanced-to-ground capacitance (pf/100m) max 330					
	DC Resistance (Ω/100m) max 9.38					
	DC Conductor Resistance Unbalance (%) max 2.0					



Technical Performance (100m):

Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
1.0	20.0	——	78.0	570.0
4.0	23.0	3.74	78.0	552.0
8.0	24.5	5.24	78.0	546.7
10.0	25.0	5.86	78.0	545.4
16.0	25.0	7.41	78.0	543.0
20.0	25.0	8.29	78.0	542.0
25.0	24.3	9.29	78.0	541.2
31.25	23.6	10.41	78.0	540.4
62.5	21.5	14.88	75.5	538.6
100	20.1	19.02	72.4	537.6
150	18.9	23.56	69.8	536.9
200	18.0	27.47	67.9	536.5
250	17.3	30.97	66.4	536.3
300	17.3	34.19	65.2	536.1
600	17.3	50.10	60.7	535.5
700	14.2	54.63	59.7	535.4
1000	13.1	66.93	57.3	535.1

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	75.0	78.0	75.0
4	75.0	78.0	75.0
8	75.0	75.9	72.9
10	75.0	74.0	71.0
16	75.0	69.9	66.9
20	75.0	68.0	65.0
25	75.0	66.0	63.0
31.25	75.0	64.1	61.1
62.5	72.5	58.1	55.1
100	69.4	54.0	51.0
150	66.8	50.2	47.2
200	64.9	48.0	45.0
250	63.4	46.0	43.0
300	62.2	44.5	41.5
600	57.7	38.4	35.4
700	56.7	37.1	34.1
1000	54.4	34.0	31.0

Reaction to fire Classification：Dca,s2,d2,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