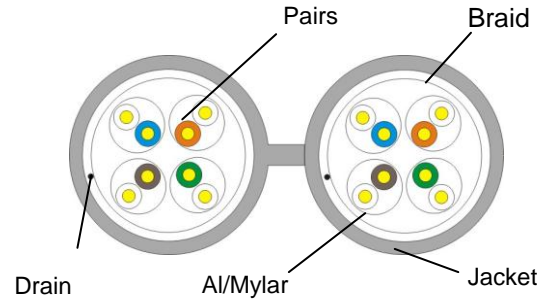


# DUPLEX S/FTP 4Pairs cable-category 7-LSZH Sheath

P/N: LVN122510

Content of the Data Sheet									
Sheath Printing	TBD								
Customer No.		Customer Reference							
Category	DUPLEX S/FTP-CAT7-4P-LSZH-AM30(B2ca)								
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	Yes						
Outer Screening Material	AM alloy wire 0.12mm	Coverage	≥30%						
Sheath	Thickness	0.55±0.05mm							
	External O.D.	(7.7-16.4)±0.5mm							
	Surface	Clean,Frap,Satiation							
	Material	FR-LSZH (complies RoHS)							
	Color	Multiple							
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)	≥9.0						
		Elongation (%)	≥100						
	Aging Period (°C × hrs)	100°C × 24h × 7d							
	After Aging	Tensile Strength (Mpa)	≥8.0						
		Elongation (%)	≥70						
	Cold bend (-20±2°C × 4h) 15times cable O.D. No visible cracks								
Electrical Characteristics (20°C)	Impedance(Ω) :	(1-100MHz)	100±15Ω						
		(100-250MHz)	100±18Ω						
		(250-600MHz)	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 Unbalanc (%) max	2.0								
<b>Reaction to fire Classification: B2ca,s1,d1,a1</b>					<b>CPR Part no. :G2605-059</b>				
Version	A/01	Date	2017-08-25	Revised By	Caihanglie	Audited By	Nidonghua	Approved By	Nidonghua



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

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

