

F/UTP 4Pairs cable-category 6-FR LSZH Sheath

P/N:LVN122160

Content of the Data Sheet											
Sheath Printing	TBD										
Customer No.		Customer Reference		White- Blue /Blue White-Orange /Orange White-Green /Green White-Brown /Brown Seperator Mylar AL/Mylar Drain wire Sheath Rip-cord							
Category	F/UTP CAT6-4P-LSZH(Cca)										
Reference Standard	ISO/IEC11801 、ANSI/TIA-568.2-D										
Conductor	Material	SOLID-Bare Copper									
	Nom.O.D.(mm)	0.565	up							+0.005	
			down	-0.005							
Insulation	Material	HDPE									
	Diameter	1.12±0.08 mm									
Filling	Plastic Separator : FRPE										
Screening Material	Mylar+ AL/Mylar										
Sheath	Thickness	0.60±0.1mm			Technical Performance (100m):						
	External O.D.	7.4±0.4mm			Frequency (MHz)	RL ≥dB	ATT(20℃) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns		
	Surface	Clean,Frap,Satiation			1	20.0	—	74.3	570.00		
	Material	FR-LSZH(complies RoHS)			4.0	23.0	3.78	65.3	552.00		
	Color	TBD			8.0	24.5	5.32	60.8	546.73		
Surface Printing	Letter height	3.0±0.3mm			10.0	25.0	5.95	59.3	545.38		
	Color	Black			16.0	25.0	7.55	56.2	543.00		
	Print error & Space	≤±0.5%, 1m			20.0	25.0	8.47	54.8	542.05		
					25.0	24.3	9.51	53.3	541.20		
Core Color	1 White- Blue /Blue	2 White-Orange /Orange			31.25	23.6	10.67	51.9	540.44		
	3 White- Green /Green	4 White- Brown /Brown			62.5	21.5	15.38	47.7	538.55		
Packing	Wooden Tray & Carton			100	20.1	19.80	44.3	537.60			
Wooden Tray dimension	According to the requires			200	18.0	28.98	39.8	536.54			
Packing length	305±1.5m			250	17.3	32.85	38.3	536.27			
Rip-cord	Yes	Drain wire	Yes	Frequency (MHz)					PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)		≥9.0	1	72.3	67.8	64.8			
		Elongation (%)		≥100	4	63.3	55.8	52.8			
	Aging Period (℃×hrs)	100℃×24h×7d			8	58.8	49.7	46.7			
	After Aging	Tensile Strength (Mpa)		≥8.0	10	57.3	47.8	44.8			
		Elongation (%)		≥70	16	54.2	43.7	40.7			
Electrical Characteristics (20℃)	Cold bend (-20±2℃×4h) 15times cable O.D. No visible cracks			20	52.8	41.8	38.8				
	1.0-250.0MHz	Impedance (Ω)	100±15	25	51.3	39.8	36.8				
	1.0-250.0MHz	Delay Skew (ns/100m)	≤45	31.25	49.9	37.9	34.9				
	Unbalanced-to-ground capacitance (pf/100m) max			330	62.5	45.4	31.9	28.9			
	DC Resistance (Ω/100m) max			9.38	100	42.3	27.8	24.8			
DC Conductor Resistance Unbalance (%) max			5.0	200	37.8	21.8	18.8				
Reaction to fire Classification: Cca,s1a,d1,a1				CPR Part no.LVN122160							