

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

P/N: LVN122165 / LVN122164

Content of the Data Sheet									
Sheath Printing	TBD								
Customer No.		Customer Reference		White- Blue /Blue White-Orange /Orange White-Green /Green White-Brown /Brown Separator Mylar AL/Mylar Drain wire Sheath Rip-cord					
Category	F/UTP CAT6A-4P-LSZH(Cca)								
Reference Standard	ISO/IEC11801 、ANSI/TIA-568.2-D								
Conductor	Material	SOLID-Bare Copper							
	Nom.O.D.(mm)	0.565	up	+0.01	down	-0.01			
Insulation 1	Material	PE							
	Diameter	1.10±0.08mm							
Insulation 2	Material	PE							
	Diameter	1.20±0.08 mm							
Filling	Plastic Separator : FRPE								
Screening Material	Mylar+ AL/Mylar								
Sheath	Thickness	0.55±0.1mm		Technical Performance (100m):					
	External O.D.	7.4±0.4mm		Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns	
	Surface	Clean,Frap,Satiation		1	20.0	—	74.3	570.0	
	Material	FR-LSZH(complies RoHS)		4.0	23.0	3.8	65.3	552.0	
	Color	TBD		8.0	24.5	5.3	60.8	546.7	
Surface Printing	Letter height	3.0±0.3mm		10.0	25.0	5.9	59.3	545.4	
	Color	Black		16.0	25.0	7.5	56.2	543.0	
	Print error & Space	≤±0.5%, 1m		20.0	25.0	8.4	54.8	542.1	
				25.0	24.3	9.4	53.3	541.2	
Core Color	1 White- Blue /Blue	2 White-Orange /Orange		31.25	23.6	10.5	51.9	540.4	
	3 White- Green /Green	4 White- Brown /Brown		62.5	21.5	15.0	47.4	538.6	
Packing	Drum			100	20.1	19.1	44.3	537.6	
Wooden Tray dimension	According to the requires			200	18.0	27.6	39.8	536.5	
Packing length	305±1.5m			250	17.3	31.1	38.3	536.3	
Rip-cord	Yes	Drain wire	Yes	300	16.8	34.3	37.1	536.1	
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa) ≥9.0		500	15.2	45.3	33.8	535.6	
		Elongation (%) ≥100							
	Aging Period (℃×hrs)	100℃×24h×7d							
	After Aging	Tensile Strength (Mpa) ≥8.0							
		Elongation (%) ≥70							
Electrical Characteristics (20℃)	Cold bend (-20±2℃×4h)	15times cable O.D. No visible cracks							
	Impedance(Ω)	1.0-250.0MHz	100±15						
		250.0-500.0MHz	100±22						
	1.0-500.0MHz	Delay Skew (ns/100m)	≤45						
	Unbalanced-to-ground capacitance (pf/100m) max	330							
DC Resistance (Ω/100m) max	9.38								
DC Conductor Resistance Unbalance (%) max	5.0								
Reaction to fire Classification: Cca,s1a,d1,a1				CPR Part no. LVN122165 / LVN122164					