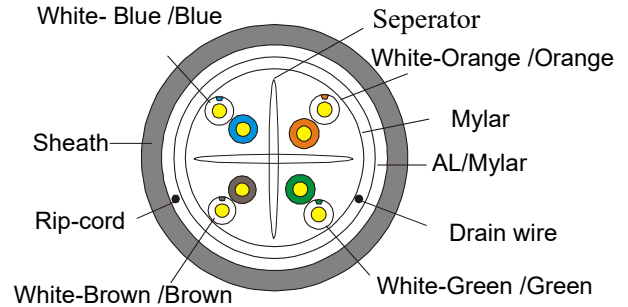


F/UTP 4Pairs cable-category 6A-FR LSZH Sheath 490317

Content of the Data Sheet

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Sheath Printing		TBD							
Customer No.			Customer Reference						
Category		F/UTP CAT6A-4P-LSZH(B2ca)							
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		Material		PE					
		Diameter		1.12±0.1 mm					
Filling		Plastic Separator : FRPE							
Screening Material		Mylar+ AL/Mylar							
Sheath		Thickness		0.65±0.05mm					
		External O.D.		7.5±0.4mm					
		Surface		Clean,Frap,Satiation					
		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 /Blue			2 White-Orange /Orange				
		3 White- Green /Green			4 White- Brown /Brown				
Packing		Drum							
Wooden Tray dimension		According to the requires							
Packing length		500±2.5m							
Rip-cord		Yes		Drain wire		Yes			
Sheath Physical Properties		Before Aging		Tensile Strength (Mpa)				≥9.0	
				Elongation (%)				≥100	
		Aging Period (℃×hrs)		100℃×24h×7d					
		After Aging		Tensile Strength (Mpa)				≥8.0	
				Elongation (%)				≥70	
Electrical Characteristics (20℃)		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: B2ca,s1a,d1,a1									
Version	A/02	Date	2023-05-24						



Technical Performance (100m) :

Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
1	20.0	—	74.3	570.0
4.0	23.0	3.8	65.3	552.0
8.0	24.5	5.3	60.8	546.7
10.0	25.0	5.9	59.3	545.4
16.0	25.0	7.5	56.2	543.0
20.0	25.0	8.4	54.8	542.1
25.0	24.3	9.4	53.3	541.2
31.25	23.6	10.5	51.9	540.4
62.5	21.5	15.0	47.4	538.6
100	20.1	19.1	44.3	537.6
200	18.0	27.6	39.8	536.5
250	17.3	31.1	38.3	536.3
300	16.8	34.3	37.1	536.1
500	15.2	45.3	33.8	535.6

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	72.3	68.0	65.0
4	63.3	56.0	53.0
8	58.8	49.9	46.9
10	57.3	48.0	45.0
16	54.2	43.9	40.9
20	52.8	42.0	39.0
25	51.3	40.0	37.0
31.25	49.9	38.1	35.1
62.5	45.4	32.1	29.1
100	42.3	28.0	25.0
200	37.8	22.0	19.0
250	36.3	20.0	17.0
300	35.1	18.5	15.5
500	31.8	14.0	11.0