



S/FTP 4Pairs cable-category 6A-PVC Sheath

P/N: CL-23F-C6A

Date	Prepared by	Checked by	Approved by	Version	Revision Declaration				
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Content of the Data Sheet									
Sheath Printing	It will be printed as customer's requirement with batch produce.								
Customer reference									
Category	S/FTP-CAT6A-4P-PVC-TC40								
Test Standard	ISO/IEC11801、 TIA/-568-C.2 、 YD/T1019								
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 0.10mm	Coverage	≥40%						
Sheath	Thickness	0.55±0.05 mm			Technical Performance (100m): Frequency RL ATT NEXT DELAY (MHz) ≥dB ≤dB ≥dB ≤ns				
	External O.D.	7.5±0.5 mm			1	20.0	—	74.3	570.0
	Surface	Clean			4.0	23.0	3.8	65.3	552.0
	Material	PVC(complies RoHS)			8.0	24.5	5.3	60.8	546.7
	Color	Multiple			10.0	25.0	5.9	59.3	545.4
					16.0	25.0	7.5	56.2	543.0
Surface Printing	Letter height	3.0±0.3mm			20.0	25.0	8.4	54.8	542.1
	Color	Black			25.0	24.3	9.4	53.3	541.2
	Print error & Space	≤±0.5%, 1m			31.25	23.6	10.5	51.9	540.4
					62.5	21.5	15.0	47.4	538.6
Core Color	1 White/Blue	2 White/Orange			100	20.1	19.1	44.3	537.6
	3 White/Green	4 White/Brown			200	18.0	27.6	39.8	536.5
Packing	Wooden Tray			250	17.3	31.1	38.3	536.3	
Wooden Tray dimension	According to the requires			300	16.8	34.3	37.1	536.1	
Packing length	305±1.5m			500	15.2	45.3	33.8	535.6	
Rip-cord	Yes			Frequency PSNEXT ELFEXT PSELFEXT (MHz) ≥dB ≥dB ≥dB					
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥13.5		1	72.3	67.8	64.8	
		Elongation (%)	≥150		4	63.3	55.8	52.8	
	After Aging	Tensile Strength (Mpa)	≥12.5		8	48.8	49.7	46.7	
		Elongation (%)	≥125		10	57.3	47.8	44.8	
	Aging Period (°C×hrs)	100°C×24h×7d			16	54.2	43.7	40.7	
	Cold bend (-20±2°C×4h)	8×Cable O.D., No visible cracks			20	52.8	41.8	38.8	
Electrical Characteristics (20°C)	Velocity of Propagation (%)	74			25	41.3	39.8	36.8	
	1.0-500.0MHz 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	
					250	36.3	19.8	16.8	
				300	35.1	18.3	15.3		
				500	31.8	13.8	10.8		
				Impedance (Ω)		1.0-250.0MHz	100±15		
						250.0-500.0MHz	100±22		