

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

P/N: CL-23F-C6A

Date	Prepared by	Checked by	Approved by	Version	Revision Declaration				
2016-08-16	Paulchan	Jackylee	Peterlau	A0					
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):				
	External O.D.	7.5±0.5 mm			Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns
	Surface	Clean			1	20.0	—	74.3	570.0
	Material	PVC(complies RoHS)			4.0	23.0	3.8	65.3	552.0
	Color	Multiple			8.0	24.5	5.3	60.8	546.7
					10.0	25.0	5.9	59.3	545.4
Surface Printing	Letter height	3.0±0.3mm			16.0	25.0	7.5	56.2	543.0
	Color	Black			20.0	25.0	8.4	54.8	542.1
	Print error & Space	≤±0.5%, 1m			25.0	24.3	9.4	53.3	541.2
					31.25	23.6	10.5	51.9	540.4
Core Color	1 White/Blue	2 White/Orange			62.5	21.5	15.0	47.4	538.6
	3 White/Green	4 White/Brown			100	20.1	19.1	44.3	537.6
Packing	Wooden Tray			200	18.0	27.6	39.8	536.5	
Wooden Tray dimension	According to the requires			250	17.3	31.1	38.3	536.3	
Packing length	305±1.5m			300	16.8	34.3	37.1	536.1	
Rip-cord	Yes			500	15.2	45.3	33.8	535.6	
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥13.5		Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSSELFEXT ≥dB	
		Elongation (%)	≥150		1	72.3	67.8	64.8	
	Aging Period (°C×hrs)	100°C×24h×7d			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	
	Cold bend (-20±2°C×4h)	8×Cable O.D., No visible cracks			16	54.2	43.7	40.7	
					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		