

Specification Sheet

S/FTP 4Pairs cable-category 6A-

Content of the Data Sheet

Sheath Printing	DCS Direct Cable Supplies - RCM CM-CAT6AS/FTP (305M.. 001M) Batch # - EziTag- D1 - D2 - D3 - D4 -D5 - D6 - D7 - D8 - D9 - D10				
Customer reference	CM-CAT6AS/FTP				
Category	S/FTP-CAT6A-4P-PVC-AM30				
Test Standard	ISO/IEC11801、 TIA/-568-C.2, AS/NZS S008:2010				
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	Aluminum-magnesium alloy 0.12mm	Coverage	≥30%		
Sheath	Thickness	0.55±0.05 mm			
	External O.D.	7.5±0.5 mm			
	Surface	Clean			
	Material	PVC(complies RoHS)			
	Color	Various			
Surface Printing	Letter height	3.0±0.3mm			
	Color	Black			
	Print error & Space	≤±0.5%, 1m			
Core Color	1 White/Blue	2 White/Orange			
	3 White/Green	4 White/Brown			
Packing	Wooden Roll				
Wooden Tray dimension	According to the requires				
Packing length	305±1.5m				
Rip-cord	Yes				
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥13.5			
	Elongation (%)	≥150			
	Aging Period (°C×hrs)	100°C×24h×7d			
	After Aging Tensile Strength (Mpa)	≥12.5			
	Elongation (%)	≥125			
Cold bend (-20±2°C×4h)	8×Cable O.D., No visible cracks				
Electrical Characteristics (20°C)	Impedance(Ω)	1.0-250.0MHz	100±15		
		251.0-500.0MHz	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				

Technical Performance (100m):				
Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	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	67.8	64.8	
4	63.3	55.8	52.8	
8	48.8	49.7	46.7	
10	57.3	47.8	44.8	
16	54.2	43.7	40.7	
20	52.8	41.8	38.8	
25	41.3	39.8	36.8	
31.25	49.9	37.9	34.9	
62.5	45.4	31.9	28.9	
100	42.3	27.8	24.8	
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	