SCP Structured Cable Products®
Quality Installations Deserve Quality Products

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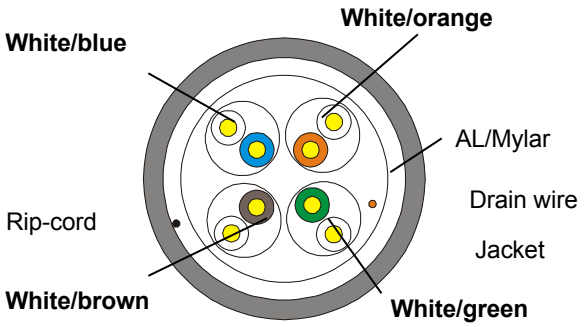
SCP PART#: CAT6A-F/FTP-BL-ETL

Rev 05/20

Content of the Data Sheet				
Sheath Printing	TBD			
Category	F/FTP CAT6A-4P-PVC			
Test Standard	ISO/IEC11801 ANSI/TIA 568.2-D			
Conductor	Material	SOLID-Bare Copper		
	Nom.O.D.(mm)	23AWG	up	+0.005
			down	-0.005
Insulation	Material	Skin-foam-skin PE		
	Diameter	1.330±0.05 mm		
Screening Material	Al/Mylar	Drain wire	Yes	
Sheath	Thickness	0.55±0.05 mm		
	External O.D.	7.5±0.5 mm		
	Surface	Clean		
	Material	PVC(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	2 White/Orange		
	3 White/Green	4 White/Brown		
Packing	Wooden Tray			
Wooden Tray dimension	According to requirements			
Packing length	305±1.5m			
Rip-cord	Yes			
Sheath Physical Properties	Before Aging Tensile Strength (Mpa) ≥13.5 Elongation(%) ≥150			
	Aging Period (℃×hrs) 100℃×24h×7d			
	After Aging Tensile Strength(Mpa) ≥12.5 Elongation(%) ≥125			
	Cold bend(-20±2℃×4h) 8×Cable O.D.，No visible cracks			
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			



Technical Performance (100m):

Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
1	20.0	—	74.3	570
4.0	23.0	3.8	65.3	552
8.0	24.5	5.3	60.8	547
10.0	25.0	5.9	59.3	545
16.0	25.0	7.5	56.2	543
20.0	25.0	8.4	54.8	542
25.0	24.3	9.4	53.3	541
31.25	23.6	10.5	51.9	540
62.5	21.5	15.0	47.4	539
100	20.1	19.1	44.3	538
200	18.0	27.6	39.8	537
250	17.3	31.1	38.3	536
300	16.8	34.3	37.1	536
400	15.9	40.1	35.3	536
500	15.2	45.3	33.8	536

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	72.3	67.8	64.8
4	63.3	55.8	52.8
8	58.8	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	51.3	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
400	33.3	15.8	12.8
500	31.8	13.8	10.8