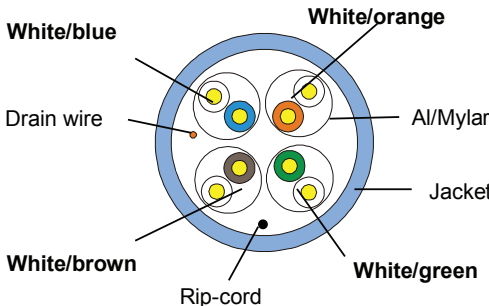


SCP PART#: CAT6A-U/FTP-LSZH-BL

DESCRIPTION:

Rev02/22

B2ca RATED CAT6A - 10GBASE-T, 600MHz 23 AWG SOLID BC, 4PR ,U/FTP, ANSI/TIA 568.2-D, ISO/IEC 11801 CLASS Ea, EN50575 B2ca-s1a.d1.a1 BLUE LSZH JKT- 1000FT/305M SPOOL

Content of the Data Sheet								
Jacket Markings	STRUCTURED CABLE PRODUCTS --- CAT6A-U/FTP-LSZH --- CATEGORY 6A LOW SMOKE ZERO HALOGEN - 10GBASE-T 600MHZ U/FTP 4PR 23AWG SOL BC ANSI/TIA 568.2-D, ISO/IEC 11801 CLASS EA, IEEE 802.3bt EN50575 B2ca-s1a,d1,a1 EU RoHS ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 ***M MM/YY							
Category	U/FTP- CAT6A-4P-LSZH(B2ca)							
Reference Standard	ISO/IEC11801 Class Ea ANSI/TIA 568.2-D EN50575							
Conductor	Material	SOLID-Bare Copper						
	Nom.O.D.(mm)	0.560	up down				+0.005 -0.005	
Insulation	Material	Skin-foam-skin PE						
	Diameter	1.290±0.05 mm						
Screening Material	Al/Mylar	Drain wire	Yes					
Sheath	Thickness	0.70±0.1 mm		Technical Performance (100m):				
	External O.D.	7.2±0.5 mm		Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
	Surface	Clean		1	20.0	—	74.3	570
	Material	LSZH(complies RoHS)		4.0	23.0	3.8	65.3	552
	Color	TBD		8.0	24.5	5.3	60.8	547
Surface Printing	Letter height	3.0±0.3mm		10.0	25.0	5.9	59.3	545
	Color	Black		16.0	25.0	7.5	56.2	543
	Print error & Space	≤±0.5%, 1m		20.0	25.0	8.4	54.8	542
				25.0	24.3	9.4	53.3	541
Core Color	1 White/Blue	2 White/Orange		31.25	23.6	10.5	51.9	540
	3 White/Green	4 White/Brown		62.5	21.5	15.0	47.4	539
Reel Dimensions	38 x 38 x 22cm			100	20.1	19.1	44.3	538
Packing Weight	18.3 kgs / 40.34 lbs			200	18.0	27.6	39.8	537
Rip-cord	Yes			250	17.3	31.1	38.3	536
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥ 10.0	300	16.8	34.3	37.1	536
		Elongation (%)	≥ 125	400	15.9	40.1	35.3	536
	Aging Period (℃ × hrs)	100℃ × 24h × 7d		500	15.2	45.3	33.8	536
	After Aging	Tensile Strength (Mpa)	≥ 8.0	Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB	
		Elongation (%)	≥ 100	1	72.3	67.8	64.8	
	Cold bend (-20±2℃ × 4h)	8 times cable O.D. No visible cracks			4	63.3	55.8	52.8
	Operation Temperature: -20℃~+80℃				8	58.8	49.7	46.7
Electrical Characteristics (20℃)	Impedance(Ω)	1.0-250.0MHz	100 ± 15	10	57.3	47.8	44.8	
		250.0-500.0MHz	100 ± 22	16	54.2	43.7	40.7	
	1.0-500.0MHz	Delay Skew (ns/100m)	≤ 45	20	52.8	41.8	38.8	
	Unbalanced-to-ground capacitance(pf/100m)	max 330		25	51.3	39.8	36.8	
	DC Resistance (Ω/100m)	max 9.38		31.25	49.9	37.9	34.9	
	DC Conductor Resistance Unbalance (%)	max 5.0		62.5	45.4	31.9	28.9	
				100	42.3	27.8	24.8	
Reaction to fire Classification: B2ca,s1a,d1,a1				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	