



Structured Cable Products™

Quality Installations Deserve Quality Products

www.scp5e.com
 sales@scp5e.com
 Direct: 954-327-5770
 Toll Free: 866-470-5742

SCP PART#: CAT6A-F/FTP-LSZH-BL-B2

UPC: 817777015294

Content of the Data Sheet									
Sheath Printing	STRUCTURED CABLE PRODUCTS --- CAT6A-F/FTP-LSZH-BL-B2 --- CATEGORY 6A LOW SMOKE ZERO HALOGEN - 10GBASE-T 600MHZ F/FTP ISO/IEC 11801 CLASS EA 4PR 23AWG SOL BC EN50575:2014 CE B2ca-s1,d1,a1 EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 ***M								
Customer No.		Customer Reference							
Category	F/FTP- CAT6A-4P-LSZH(B2ca)								
Reference Standard	ISO/IEC11801 、TIA-568-C.2								
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							
Screening Material	Al/Mylar	Drain wire	Yes						
Sheath	Thickness	0.65±0.1 mm			Technical Performance (100m):				
	External O.D.	7.6±0.5 mm			Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
	Surface	Clean			1	20.0	—	74.3	570
	Material	FR-LSZH(complies RoHS)			4.0	23.0	3.8	65.3	552
	Color	Blue RAL5012			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
Core Color	1 White/Blue	2 White/Orange			25.0	24.3	9.4	53.3	541
	3 White/Green	4 White/Brown			31.25	23.6	10.5	51.9	540
Packing	Drum	Dimension:			62.5	21.5	15.0	47.4	539
Packing length	305M/1000FT	Weight: N.W 18.4kgs,G.W 19.90kgs.			100	20.1	19.1	44.3	538
Rip-cord	Yes			200	18.0	27.6	39.8	537	
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥9.0		250	17.3	31.1	38.3	536
		Elongation (%)	≥100		300	16.8	34.3	37.1	536
	Aging Period (°C×hrs)	100°C×24h×7d			400	15.9	40.1	35.3	536
	After Aging	Tensile Strength (Mpa)	≥8.0		500	15.2	45.3	33.8	536
		Elongation (%)	≥70		Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB	
	Cold bend (-20±2°C×4h) 15times cable O.D. No visible cracks			1	72.3	67.8	64.8		
Electrical Characteristics (20°C)	Impedance(Ω)	1.0-250.0MHz	100±15		4	63.3	55.8	52.8	
		250.0-500.0MHz	100±22		8	58.8	49.7	46.7	
	1.0-500.0MHz	Delay Skew (ns/100m)	≤45		10	57.3	47.8	44.8	
	Unbalanced-to-ground capacitance(pf/100m)max	330			16	54.2	43.7	40.7	
	DC Resistance (Ω/100m) max	9.38			20	52.8	41.8	38.8	
	DC Conductor Resistance Unbalance (%) max	5.0			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	
Reaction to fire Classification: B2ca,s1,d1,a1									
Version	A/01	Date	2018-01-18	Revised By	Caihanglie	Audited By	Nidonghua	Approved By	Nidonghua