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SCP PART#: CAT6-LSZH-VL-B2 UPC: 817777015577

DESCRIPTION:

B2ca RATED CAT6 UTP - 550 MHz 23AWG SOLID BC, 4PR, UTP ANSI/TIA 568-2.D, EN50173-1, ISO/IEC 11801 CLASS E, EN50575:2014 B2ca-s1a,d1,a1 - VIOLET LSZH JKT- 1000FT/305M RIB

Sheath Printing	STRUCTURED CABLE PRODUCTS --- CAT6-LSZH-B2--- LOW SMOKE ZERO HALOGEN - ENHANCED 550MHZ UTP ANSI/TIA 568.2-D ISO/IEC 11801 CLASS E 4PR 23AWG SOL BC EN50575:2014 CE B2ca-s1a,d1,a1 EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 ***M MM/YY			
Customer No.		Customer Reference		
Category	U/UTP CAT6-4P-LSZH (B2ca)			
Reference Standard	ISO/IEC11801,TIA-568-C.2			
Conductor	Material	SOLID-Bare Copper		
	Nom.O.D.(mm)	0.550	up down	+0.005 -0.005
Insulation	Material	HDPE		
	Diameter	0.98±0.05mm		
Filling	Plastic Separator : FRPE			
Sheath	Thickness	1.0±0.2 mm		
	External O.D.	6.8±0.4 mm		
	Surface	Clean,Frap,Satiation		
	Material	FR-LSZH(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 /Blue	2 White-Orange /Orange		
	3 White-Green /Green	4 White- Brown /Brown		
Packing	305meters Reel-in-box 38.5cm x 32.5cm x38.5cm			
Weight:	N.W.18.5kgs, G.W 21.0KGS			
Packing length	305, 27 boxes or 18 boxes each pallet			
Rip-cord	Yes	Drain wire	No	
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥9.0	
		Elongation (%)	≥100	
	Aging Period (°C×hrs)	100°C×24h×7d		
	After Aging	Tensile Strength (Mpa)	≥8.0	
		Elongation (%)	≥70	
	Cold bend (-20±2°C×4h) 15times cable O.D. No visible cracks			
Operation Temperature: -20°C~+80°C				
Electrical Characteristics (20°C)	1.0-250.0MHz, Characteristic impedance (Ω)	100±15		
	1.0-250.0MHz, Delay Skew 20°C(ns/100m)	≤45		
	DC Resistance (Ω/100m) max	9.38		
	DC Conductor Resistance Unbalance (%) max	5.0		

Technical Performance:				
Frequency (MHz)	RL ≥dB	ATT (20°C) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
1	20.0	2.03	74.3	570.00
4.0	23.0	3.78	65.3	552.00
8.0	24.5	5.32	60.8	546.73
10.0	25.0	5.95	59.3	545.38
16.0	25.0	7.55	56.2	543.00
20.0	25.0	8.47	54.8	542.05
25.0	24.3	9.51	53.3	541.20
31.25	23.6	10.67	51.9	540.44
62.5	21.5	15.38	47.7	538.55
100	20.1	19.80	44.3	537.60
200	18.0	28.98	39.8	536.54
250	17.3	32.85	38.3	536.27
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	

Reaction to fire Classification: B2ca,s1a,d1,a1