



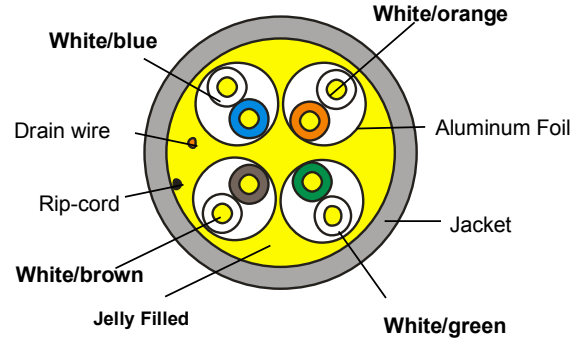
SCP PART#: CAT6A-U/FTP-DB

DESCRIPTION:

CAT6A U/FTP DIRECT BURIAL- 10GBASE-T, 600 MHz 23 AWG SOLID BC, 4PR, U/FTP, GEL FILLED, ANSI/TIA-568.2-D, ISO/IEC 11801 CLASS Ea, LLDPE JKT- BLACK- 1000 FT/305M SPOOL

APPLICATION: Lan cable for outdoor installations

Jacket Markings	STRUCTURED CABLE PRODUCTS -- P/N CAT6A-U/FTP-DB -- CAT6A AUGMENTED 600 MHz 4 PR 23 AWG SOLID U/FTP GEL FILLED PE JKT OUTDOOR / DIRECT BURIAL VERIFIED TO ANSI/TIA 568.2-D ISO/IEC 11801 CLASS E(A) -- CE EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 XXXX FEET MM/YY			
Compliance	UL444 RoHS			
Category	U/FTP-JELLY CAT6A-4P-PE			
Reference Standard	ISO/IEC11801 ANSI/TIA 568.2-D			
Conductor	Material	SOLID-Bare Copper		
	Nom.O.D.(mm)	0.560	up down	+0.005 -0.005
Insulation	Material	Skin-foam-skin PE		
	Diameter	1.330±0.05 mm		
Screening Material	Aluminum Foil	Drain wire	Yes	
Sheath	Thickness	0.55±0.05 mm		
	External O.D.	7.4±0.4 mm		
	Surface	Clean		
	Material	LDPE(complies RoHS)		
	Color	Black		
Surface Printing	Letter height	3.0±0.3mm		
	Color	White		
	Print error & Space	≤±0.5%, 1m		
	Core Color (With striped color)	1 White/Blue	2 White/Orange	
Packing weight		3 White/Green	4 White/Brown	
	17.0kgs / 38lbs			
	Wooden REEL dimension	38cm x 38cm x 32cm		
	Packing length	305±1.5m , 27 reels each pallet		
	Rip-cord	Yes		
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥10.0	
		Elongation (%)	≥350	
	Aging Period (°C × hrs)	100°C × 24h × 10d		
	After Aging	Elongation (%)	≥300	
	Cold bend (-20 ± 2°C × 4h)	No visible cracks		
Electrical Characteristics (20°C)	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