



Structured Cable Products™

Quality Installations Deserve Quality Products

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SCP PART#: CAT6A-U/FTP-BL

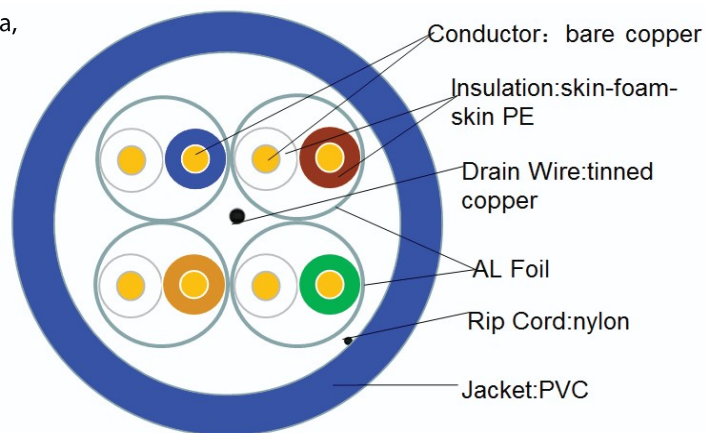
Description:

CAT6 AUGMENTED U/FTP- 10GBASE-T, 600 MHz 23 AWG
 SOLID BC, 4PR ,U/FTP, ANSI/TIA 568.2-D, ISO/IEC 11801 CLASS Ea,
 UL CMR, PVC JKT, 1000 FT/305M SPOOL

Regulatory:

UL 444 ANSI/TIA 568.2-D ISO/IEC 11801 Class Ea
 Type (UL) CMR or c(UL) FT4
 EU RoHS 2011/65 EU Compliant
 EN50575: 2014 REACTION TO FIRE: Dca s2,d2,a1

Application: Lan Cable



Construction Characteristics:

Conductor	Material	Solid Bare Copper
	Size	23AWG X 4P
	Construction	1/0.57+/-0.005mm
Insulation	Material	Skin-foam-skin PE
	Min.Thickness	0.350mm
	AVG.Thickness	0.360mm
	Diameter	1.35+/-0.05mm
	Colors	White/Blue White/Orange White/Green White/Brown
Pair screen	Every pair screen	Aluminum Foil
Drain wire	TC	1/0.40+/-0.005
Jacket	Material	PVC
	Min.Thickness	0.54mm
	AVG.Thickness	0.60mm
	Diameter	7.30+/-0.20mm
	Rip Cord	Nylon
	Color	Per request
Bend radius		Min 20D/150mm

Electrical & Physical Characteristics:

Operating Temperature Range		- 20°C + 75°C	
Conductor Resistance		Max 72.2ohm/km at 20°C	
Dielectric Strength		Min AC1.5KV	
Spark Test		5.0KV	
Insulation	Unaged	Tensile Strength	16.5Mpa
		Elongation	500%
	Aged	Tensile Strength	14.2Mpa(100°C 168h)
		Elongation	250%(100°C 168h)
Jacket	Unaged	Tensile Strength	13.8 Mpa
		Elongation	100%
	Aged	Tensile Strength	11.7Mpa(100°C 168h)
		Elongation	50%(100°C 168h)
Rated Voltage		Max 300Volts	
DC Resisitance Unbalance		Max 5%	
Pair-to-Ground Capacitance Unbalance		Max 3300pF/km	
Characteristic Impedance		100+/-15OHM	
Nominal Velocity of Propagation(%)		67-69	
Propagation Delay		Max 536ns/100m	
Delay Skew		Max 40ns/100m	

Marking:

STRUCTURED CABLE PRODUCTS --- CAT6A UFTP --- ENHANCED 10GBASE-T 600MHZ U/FTP ANSI/TIA 568.2-D
 ISO/IEC 11801 CLASS EA E198134 SCP3 (UL) C(UL) CMR 4PR 23AWG SOL BC - EN50575:2014 CE Dca PVC JKT FT4
 75C EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 ***FEET

Packaging:

Approx.Wight(kg)	Approx.Dimension(mm)	Package	Packages per pallet
18.6KGS/41.005 LBS	360X270X160	1000FT/305M Spool	27/36

Performance-1

ITEM Frequency	Attenuation Max (dB/100m)		NEXT Min (dB)		PS NEXT Min (dB)		ACR Min (dB)	
	Standard	SCP	Standard	SCP	Standard	SCP	Standard	SCP
1	2.1	1.9	74.3	80.3	72.3	76.6	72.3	78.4
4	3.8	3.7	65.3	75.6	63.3	74.2	61.5	71.9
8	5.3	5.1	60.8	66	58.8	65.1	55.5	60.9
10	5.9	5.8	59.3	67.6	57.3	65.9	53.3	61.8
16	7.5	7.4	56.2	70.8	54.2	67.2	48.6	63.4
20	8.4	8.2	54.8	71.9	52.8	69.1	46.3	63.7
25	9.4	9.1	53.3	62.3	51.3	60.8	43.8	53.2
31.25	10.5	9.9	51.9	68.7	49.9	67.1	41.2	58.8
62.5	15	15	47.4	59.6	45.4	58.3	32	44.6
100	19.1	18.8	44.3	60	42.3	58	24.5	41.2
200	27.6	27.4	39.8	57.5	37.8	56	10.8	30.1
250	31.1	29.4	38.3	55.8	36.3	54.1	5.5	26.4
300	34.3	33.3	37.1	54.2	35.1	53.4	0.7	20.9
400	43	38.6	35.3	53.8	33.3	52.1	----	----
500	45.3	43.9	33.8	51	31.8	49.3	----	----

Performance-2

ITEM Frequency	RL Min (dB)		ELFEXT Min (dB)		PS ELFEXT Min (dB)		PSACR Min (dB)	
	Standard	SCP	Standard	SCP	Standard	SCP	Standard	SCP
1	20	23.6	68	75.6	65	73.3	70.3	74.7
4	23	23.9	56	61.3	53	60.1	59.5	70.5
8	24.5	30	49.9	55.7	46.9	54.8	53.5	60
10	25	28.5	48	55.2	45	53.2	51.3	60.1
16	25	28.2	43.9	49.7	40.9	48.1	46.6	59.8
20	25	27.8	42	48.1	39	46.2	44.3	60.9
25	24.3	27.5	40	45.9	37	45	41.8	51.7
31.25	23.6	24.9	38.1	42.7	35.1	41.7	39.2	57.2
62.5	21.5	24.1	32.1	39.4	29.1	37.4	30	43.3
100	20.1	23.5	28	35	25	33.2	22.5	39.2
200	18	23.2	22	32.8	19	30.2	8.8	28.6
250	17.3	21.5	20	30.7	17	27.7	3.5	24.7
300	16.8	20.8	18.5	26.5	15.5	25.4	----	----
400	15.9	18.9	15.8	23.4	12.8	22.1	----	----
500	15.2	18.6	14	19.5	11	18.7	----	----