



Structured Cable Products™

Quality Installations Deserve Quality Products

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SCP PART#: CAT6A-U/FTP-BL

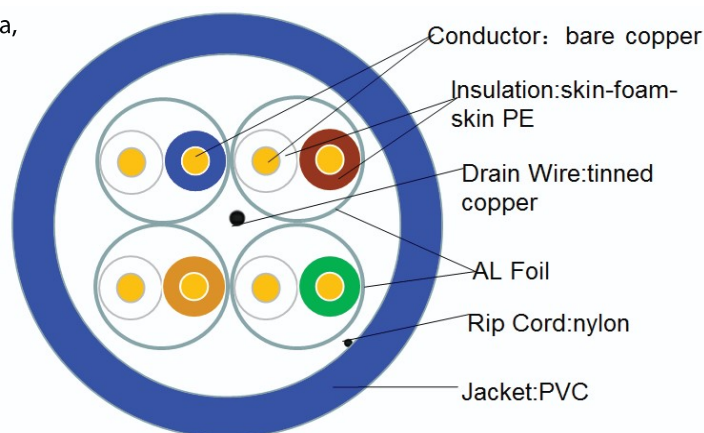
Description:

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 Strenght	16.5Mpa
		Elongation	500%
	Aged	Tensile Strenght	14.2Mpa(100°C 168h)
		Elongation	250%(100°C 168h)
Jacket	Unaged	Tensile Strenght	13.8 Mpa
		Elongation	100%
	Aged	Tensile Strenght	11.7Mpa(100°C 168h)
		Elongation	50%(100°C 168h)
Rated Voltage			Max 300Volts
DC Resisistance 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	----	----