

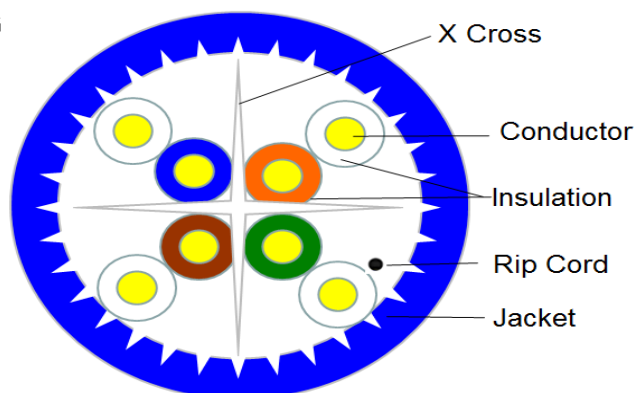
SCP PART#: CAT6A-LSZH

Description:

CAT6 AUGMENTED 10GBASE-T, 600 MHz 23 AWG
SOLID 4PR UTP, TIA/EIA-568-C.2, ISO/IEC 11801
Ed2 CLASS Ea, LOW SMOKE ZERO HALOGEN,
BLUE- 1000FT/ 305M SPOOL

Regulatory:

ANSI/TIA 568-C.2 and ISO/IEC 11801 Ed2
EU RoHS 2011/65 EU Compliant



Application: Lan Cable

Construction Characteristics:

Conductor	Material	Solid Bare Copper
	Size	23AWG X 4P
	Construction	1/0.575+/-0.005mm
Insulation	Material	HDPE
	Min.Thickness	0.20mm
	AVG.Thickness	0.21mm
	Diameter	1.02+/-0.05mm
	Colors	White/Blue White/Orange White/Green White/Brown
Jacket	Material	LSZH
	Min.Thickness	0.70mm
	AVG.Thickness	0.80mm
	Diameter	6.8+/-0.20mm
	Rip Cord	Nylon
	Color	Per request

Electrical & Physical Characteristics:

Operating Temperature Range	- 20°C + 75°C
Voltage Rating	300V
Conductor Resistance	Max 72.2ohm/km at 20°C
Dielectric Strength	Min AC1.5KV
Spark Test	5.0KV
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-LSZH --- CATEGORY 6A 10GBASE- T 600MHZ UTP ISO/IEC 11801 CLASS EA
4PR 23AWG SOL BC - LSZH JKT EN50575:2014 CE Eca EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 ***M

Packaging:

Approx.Weight(kg)	Approx.Dimension(mm)	Package	Packages per pallet
17.4KGS/38.36 LBS	360X240X160	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	1.9	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	6	5.8	59.3	67.6	57.3	65.9	53.3	61.8
16	7.6	7.4	56.2	70.8	54.2	67.2	48.6	63.4
20	8.5	8.2	54.8	71.9	52.8	69.1	46.3	63.7
25	9.5	9.1	53.3	62.3	51.3	60.8	43.8	53.2
31.25	10.7	9.9	51.9	68.7	49.9	67.1	41.2	58.8
62.5	15.4	15	47.4	59.6	45.4	58.3	32	44.6
100	19.8	18.8	44.3	60	42.3	58	24.5	41.2
200	29	27.4	39.8	57.5	37.8	56	10.8	30.1
250	32.8	29.4	38.3	55.8	36.3	54.1	5.5	26.4
300	36.4	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	48.9	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	67.8	75.6	64.8	73.3	70.3	74.7
4	23	23.9	55.8	61.3	52.8	60.1	59.5	70.5
8	24.5	30	49.7	55.7	46.7	54.8	53.5	60
10	25	28.5	47.8	55.2	44.8	53.2	51.3	60.1
16	25	28.2	43.7	49.7	40.7	48.1	46.6	59.8
20	25	27.8	41.8	48.1	38.8	46.2	44.3	60.9
25	24.3	27.5	39.8	45.9	36.8	45	41.8	51.7
31.25	23.6	24.9	37.9	42.7	34.9	41.7	39.2	57.2
62.5	21.5	24.1	31.9	39.4	28.9	37.4	30	43.3
100	20.1	23.5	27.8	35	24.8	33.2	22.5	39.2
200	18	23.2	21.8	32.8	18.8	30.2	8.8	28.6
250	17.3	21.5	19.8	30.7	16.8	27.7	3.5	24.7
300	16.8	20.8	18.3	26.5	15.3	25.4	---	---
400	15.9	18.9	15.8	23.4	12.8	22.1	---	---
500	15.2	18.6	13.8	19.5	10.8	18.7	---	---