

SCP PART#: CAT6-LSZH-BK-D

Rev04/21

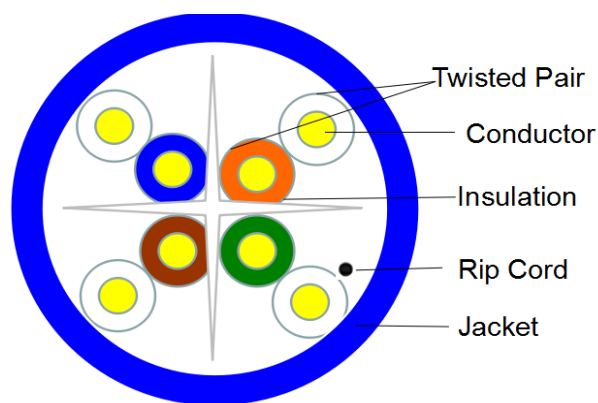
Description

CAT6 LOW SMOKE ZERO HALOGEN- ENHANCED 550MHz 23AWG SOLID BC, 4PR, UTP ANSI/TIA-568.2-D, ISO/IEC 11801 CLASS E, IEEE 802.3bt, EN50575 Dca-s1,d1,a1 LSZH JKT- 1000FT/305M BOX

Regulatory

TIA/EIA 568.2-D and ISO/IEC 11801 Class E
 EU RoHS 2011/65 EU Compliant
 EN50575
 REACTION TO FIRE CLASS Dca-s1,d1,a1

Application: Lan Cable



Construction Characteristics:

Conductor	Material	Solid Bare Copper
	Size	23AWG X 4P
	Construction	1/0.57+/-0.005mm
Insulation	Material	HDPE
	Min.Thickness	0.200mm
	AVG.Thickness	0.220mm
	Diameter	1.03+/-0.01mm
	Colors	Blue- White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown
Separator	Material	PE
Jacket	Material	LSZH
	Min.Thickness	0.54mm
	AVG.Thickness	0.60mm
	Diameter	6.20+/-0.40mm
	Rip Cord	Nylon
	Color	Per request
Bend radius	Min 20D/125mm	

Electrical & Physical Characteristics:

Operating Temperature Range	- 20°C + 75°C
Minimum installation temperature	0°C + 40°C
Conductor Resistance	Max 72.2ohm/km at 20°C
Dielectric Strength	Min AC1.5KV
Spark Test	5.0KV
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 --- CAT6-LSZH --- ENHANCED 550MHZ UTP ANSI/TIA-568.2-D
 ISO/IEC 11801 CLASS E 4PR 23AWG SOL BC - LSZH JKT EN50575:2014 CE Dca EU RoHS EC
 ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 ***M

Packaging:

Approx.Weight	Approx.Dimension(mm)	Package	Packages per pallet
14.5kgs/31.967lbs	400X290X400	1000FT/Box	36/24

Performance

ITEM Frequency	Attenuation Max (dB)	NEXT Min (dB)	PS NEXT Min (dB)	ACR Min (dB)	RL Min (dB)	ELFEXT Min (dB)	PS ELFEXT Min (dB)	PSACR Min (dB)
1	2	74.3	72.3	72.3	20	67.8	64.8	70.3
4	3.8	65.3	63.3	61.5	23	55.8	52.8	59.5
8	5.3	60.8	58.8	55.5	24.5	49.7	46.7	53.5
10	6	59.3	57.3	53.3	25	47.8	44.8	51.3
16	7.6	56.2	54.2	48.6	25	43.7	40.7	46.6
20	8.5	54.8	52.8	46.3	25	41.8	38.8	44.3
25	9.5	53.3	51.3	43.8	24.3	39.8	36.8	41.8
31.25	10.7	51.9	49.9	41.2	23.6	37.9	34.9	39.2
62.5	15.4	47.4	45.4	32	21.5	31.9	28.9	30
100	19.8	44.3	42.3	24.5	20.1	27.8	24.8	22.5
200	29	39.8	37.8	10.8	18	21.8	18.8	8.8
250	32.8	38.3	36.3	5.5	17.3	19.8	16.8	3.5
300	36.4	37.1	35.1	0.7	16.8	18.3	15.3	---
400	43	35.3	33.3	---	15.9	15.8	12.8	---
500	48.9	33.8	31.8	---	15.2	13.8	10.8	---