

SCP PART#: CAT6-WT-LSZH

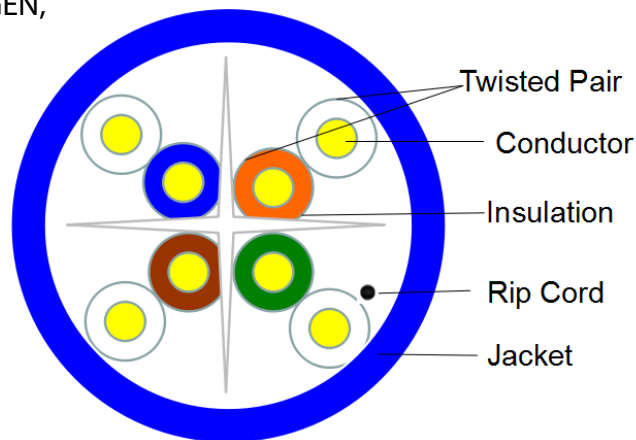
Rev03/20

Description:

CAT6 LSZH- ENHANCED 550 MHz 23 AWG SOLID BC,
4PR, UTP ANSI/TIA 568.2-D, ISO/11801 CLASS E,
EN50575:2014 Dca-s1,d1,a1 LOW SMOKE ZERO HALOGEN,
LSZH JKT - WHITE - 1000 FT/305M BOX

Regulatory

ANSI/TIA 568.2-D and ISO/IEC 11801 Class E
Type (UL) CMR or c(UL) FT4
EU RoHS 2011/65 EU Compliant
IEC 60332-1-2



Application:

Networking 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
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	11.3 Mpa
		Elongation	100%
	Aged	Tensile Strenght	8.5Mpa(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 --- CAT6-LSZH --- ENHANCED 550MHZ UTP ANSI/TIA 568.2-D ISO/IEC 11801 CLASS E
EN50575:2014 Dca 4PR 23AWG SOL BC - LSZH JKT 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	Attenuatio n 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	---