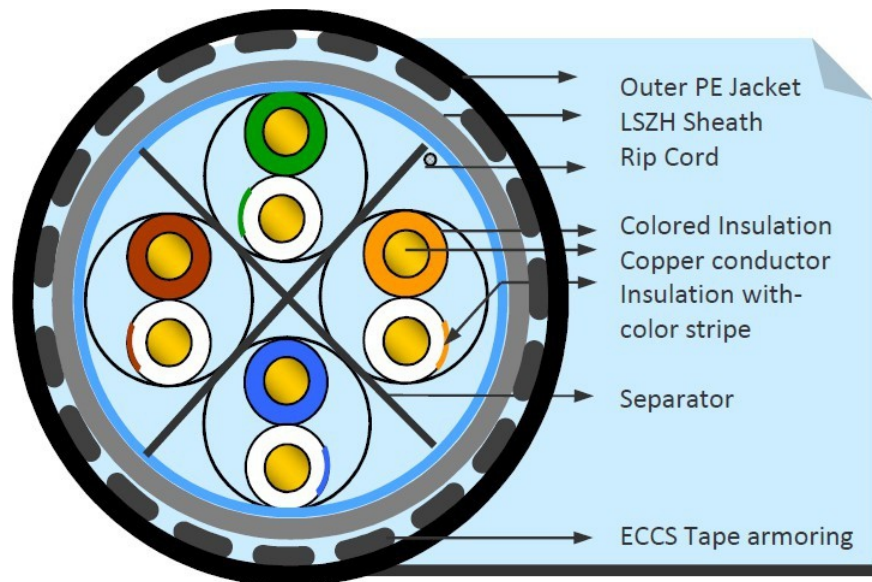


CAT6 UTP Outdoor Armored Cable DJ LSZH

Features



For outdoor application. Operates at bandwidth of 250MHz.

Construction

Conductor:	23 AWG Solid bare Copper
Insulation:	High Density Polyethylene
Pairs:	2 Insulated conductors twisted together
Inner Sheath:	LSZH
Aarmor:	ECCS Tape (Thickness > 0.125 mm)
Outer Jacket:	PE -Black, Anti-Rodent, UV protected Thickness -1.1 mm Nominal
Cable Diameter:	10.0 +/-0.3 mm
Printing:	Each meter embossed with Genius CAT 6 UTP 4/23 AWG ARMORED LAN CABLE Month/Year XXX M or As per Customer Request

CAT6 UTP Outdoor Armored Cable DJ LSZH

Description

Color Code

Pair no.	Color
1-2	White-Orange Stripe and Orange
3-6	White-Green Stripe and Green
4-5	White-Blue Stripe and Blue
7-8	White-Brown Stripe and Brown

Electrical Properties

Characteristic Impedance:	100 +15 ΩConductor
Current rating:	1.5 A
Voltage:	150 VAC
Insulation Resistance:	500 MΩ
Contact Resistance:	10±.05 MΩ
D.C Resistance:	<9.38 Ω/100m
Mutual Capacitance:	< 5.6nF/100m
NVP	69%
Resistance Unbalance:	5% Max
Capacitance Unbalance:	330pF/100m
Dielectric Strength:	1000 V RMS
Delay Skew:	< 45nS
Propagation Delay:	536 nS/100m

Standard Reference

Flammability Test – IEC 60332-1
 IEC 60754, IEC 61034
 RoHS Compliant

CAT6 UTP Outdoor Armored Cable DJ LSZH

Technical Drawing

Transmission Characteristics Per 50M

Frequency (MHz)	Insertion Loss Max.(dB)	NEXT (dB)Min.	ACR-N (dB)Min.	RL (dB)Min.	PS NEXT (dB)Min.	PS ACR-N (dB)Min.	ACR-F (dB)Min.	PS ACR-F (dB)Min.
1	1.9	65	62	19.1	62	59	64.2	61.2
4	3.5	64.1	60.6	21	61.8	58.3	52.1	49.1
8	5	59.4	54.4	21	57	52.1	46.1	43.1
10	5.5	57.8	52.3	21	55.5	49.9	44.2	41.2
16	7	54.6	47.6	20	52.2	45.2	40.1	37.1
20	7.9	53.1	45.2	19.5	50.7	42.8	38.2	35.2
25	8.9	51.5	42.7	19	49.1	40.2	36.2	33.2
31.25	10	50	40	18.5	47.5	37.6	34.3	31.3
62.5	14.4	45.1	30.8	16	42.7	28.3	28.3	25.3
100	18.6	41.8	23.3	14	39.3	20.7	24.2	21.2
200	27.4	36.4	9.6	11	34.3	7	18.2	15.2
250	31.1	35.3	4.2	10	32.7	1.6	16.2	13.2

Mechanical Properties

Bending Radius:	20 x Cable Diameter
Pulling Force:	50 Kg
Installation Temperature:	-20°C to +70°C
Operating Temperature:	-40°C to +70°C
Storage Temperature:	-40°C to +70°C

Connection System

Compatible with all common systems according to ANSI/TIA-568.2-D and IEC/ISO 11801

Cable Color

Black

Package

Available in Reels of 305m Length OR As per Customer's Request

CAT6 UTP Outdoor Armored Cable DJ LSZH

Ordering Information

Number	Description
GC6CADA3XLS3X	Genius Cat 6 UTP 23AWG Armoured LAN cable LSZH 305 mtr Black