

Cat 5E Shielded Twisted Paired LSZH Cable

pro-POWER

RoHS
Compliant



Application:

This cable is used for horizontal wiring in a local area network (LAN) in areas requiring mechanical protection.

Cable Standards:

Made in accordance with the following:

ISO/IEC 11801, TIA/EIA 568B

Construction:

Conductor	: Class 1 solid copper conductor
Insulation	: Solid PE (Polyethylene)
Drain Wire	: Tinned copper
Screen	: AL-Foil (Aluminium Foil)
Bedding	: LSZH (Low Smoke Zero Halogen)
Braiding	: GSWB (Galvanised Steel Wire Braid)
Sheath	: LSZH (Low Smoke Zero Halogen)

Characteristics:

Temperature Rating	: 0°C to +70°C
Min. Bending Radius	: 6 × overall diameter
Core Identification	: Pair 1: Blue and White/Blue Pair 2: Orange and White/Orange Pair 3: Green and White/Green Pair 4: Brown and White/Brown
Sheath Colour	: Black

Electrical Characteristics:

Impedance (1 - 100MHz)	: 100Ω ±15
Max. Resistance of Conductor at 20°C	: 101.2Ω/km

Frequency MHz	Attenuation dB/100m	Next dB	RL dB	ELFEXT dB	PS-ELFEXT dB/100m	ACR dB
1	2	65.3	23.1	63.8	60.8	63
4	4.1	56.3	23	51.7	48.7	51
8	5.8	51.8	24.5	45.7	42.7	45
10	6.5	50.3	25	43.8	40.8	43
16	8.2	47.3	25	39.7	36.7	37
20	9.3	45.8	25	37.7	34.7	35
25	10.23	44.3	24.2	35.8	32.8	32

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Frequency MHz	Attenuation dB/100m	Next dB	RL dB	ELFEXT dB	PS-ELFEXT dB/100m	ACR dB
31.25	11.71	42.9	23.3	33.9	30.9	29
62.5	17.25	38.4	20.7	27.8	24.8	19
100	22	35.3	19.24	23.8	20.8	9

Dimensions:

No. of Pairs (24 AWG)	Nominal Thickness of Insulation	Nominal Overall Diameter	Nominal Weight kg/km
4	1.04mm	9.4mm	124

Part Number Table

Description	Reel Length (m)	Part Number
Cat 5E shielded Twisted Paired LSZH Cable	50	PP000860

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