

DeviceNet Thick LSZH Shielded Multipaired Cable

pro-POWER



RoHS
Compliant

Application:

A flexible LSZH (Low Smoke Zero Halogen) cable, designed for the use on DeviceNet systems. The cable incorporates both a power and data pair for backbone wiring. These cables are also referred to as DeviceNet Trunk cables.

Cable Standards:

Made in accordance with the following:

BS EN/IEC 61158, BS EN/IEC 62026-3, BS EN/IEC 60332-1,
BS EN/IEC 61034-2, BS EN/IEC 60754-1,
BS EN/IEC 60754-2, BS EN 50267-2-1, BS EN 50267-2-2

Construction:

Conductor	: Pair 1 - Data: Stranded tinned copper conductor - 18/19AWG (0.93mm ²) Pair 2 - Power: Stranded tinned copper conductor - 15/19AWG (1.93mm ²)
Insulation	: Pair 1 - Data: Foam-skin PE (Polyethylene) Pair 2 - Power: Solid PE (Polyethylene)
Individual Shield	: AL/PET (Aluminium/Polyester Tape)
Drain Wire	: Tinned copper
Overall Shield	: TCWB (Tinned Copper Wire Braid)
Sheath	: FRNC-LSZH (Flame Retardant Non Corrosive - Low Smoke Zero Halogen)

Characteristics:

Voltage Rating	: 300V
Temperature Rating	: -30°C to +80°C
Min. Bending Radius	: 10 × overall diameter
Insulation Colour	: Pair 1: Blue and White Pair 2: Red and Black
Sheath Colour	: Grey

Electrical Characteristics:

Electrical and Transmission Properties at 20°C

Max. DC Resistance of Conductor	: 23.2Ω/km (Data Pair) 11.3Ω/km (Power)
Capacitance at 800Hz	: 40nF/km (Data Pair)
Impedance Above 1MHz	: 120Ω (±10%) (Data Pair)
Attenuation at 125kHz	: 0.4dB/100m (Data Pair)
Attenuation at 500kHz	: 0.8dB/100m (Data Pair)
Attenuation at 1MHz	: 1.25dB/100m (Data Pair)
Dielectric Strength (Conductor/Conductor)	: 2kV AC / 1min
Dielectric Strength (Conductor/Shield)	: 2kV AC / 1min
Min. Insulation Resistance	: 5.0GΩ/km
Transfer Impedance at 10MHz	: 15mΩ/m

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Dimensions:

No. of Pairs	Nominal Overall Diameter	Nominal Weight kg/km
2	11.9mm	220

Part Number Table

Description	Reel Length (m)	Part Number
DeviceNet Thick LSZH Shielded Multipaired Cable	50	PP000903

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