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LCAEMPSS124120SHB2

2xAWG24 120 Ω LSZH B2ca s1a d1 a1 T1000 twisted pair cable

DESCRIPTION

The LCAE MPSS 124-120 SHB2 cable, PE insulated, low capacitance, grey sheath, LSZH B2ca s1a, d1, a1, is used for RS485 Modbus data control and transmission. Its aluminum shield and copper braid provide excellent electromagnetic protection. Recommended for high-rise buildings, public buildings, and infrastructures (tunnels, airports, nuclear sites).



ADVANTAGES

- Overall shielding with tape and braid
- RS485, Modbus
- 120 Ohm impedance
- LSZH
- CPR B2ca s1a,d1,a1

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CONSTRUCTION & TECHNICAL PERFORMANCE	
Product Type	LCAEMPSS124120SHB2
Construction (mm²)	1 x 2 x AWG24
Conductor material	Tinned copper
Conductor cross-section	AWG24
Core gauge	AWG24
Core composition	7x0.20mm
Insulation Material	PE
Insulation Identification Method	White, Blue
Assembly type	Pairs
Overall Shielding	Alu/pes tape with drain wire
Outer Sheath Material	LSZH
Color	Grey
Nom. diameter of the outer sheath (mm)	5.6
Sealing gel	No
Weight (Kg/Km)	42
ELECTRICAL CHARACTERISTICS	
Service Voltage (V)	300 V
Test voltage (V)	1.2 kV
Linear electrical resistance (Ω/Km)	≤ 99 Ω/km
TRANSMISSION CHARACTERISTICS	
Propagation speed (%)	66
Characteristic Impedance (Ohms)	120 Ohms
MECHANICAL CHARACTERISTICS	
Bending Radius in Fixed Installation	8 x Ø ext
Bending Radius in Mobile Installation	15 x Ø ext
ENVIRONMENTAL CHARACTERISTIC	
CPR classification	B2ca s1a, d1, a1
Fire behaviour	IEC 60332-1, IEC 60332-3-24 Cat. D
Fire Behavior Type	Flame retardant IEC 60332-1 Fire retardant IEC 60332-3-24
UV Resistance	NO
Fixed Use Temperature	-30°C / +70°C

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ENVIRONMENTAL CHARACTERISTIC	
Mobile Use Temperature	-5°C / +70°C
Halogen-free Standard	IEC 60754-1/-2 IEC 61034-2
ADDITIONAL INFORMATION	
Product Packaging	Drum of 1000m

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