ADALTRA

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LCAEMPSS124120SHB2x

1-pair AWG24 shielded LSZH B2ca s1a d1 a1 cables - RS485 Modbus

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 shielding and copper braid provide excellent electromagnetic protection. Recommended for high-rise buildings, public access buildings, and infrastructures (tunnels, airports, nuclear sites).



ADVANTAGES

AXINDUS / ADALTRA

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

CONSTRUCTION & TECHNICAL PERFORMANCE

Core gauge	AWG24
Conductor material	Tinned copper
Insulation Material	PE
Insulation Identification Method	White, Blue
Overall Shielding	Tinned copper braid + alu/pes tape
Outer Sheath Material	LSZH
Color	Grey
Nom. diameter of the outer sheath (mm)	5.6
Construction (mm²)	1 x 2 x AWG24

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

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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
UV Resistance	NO
Fixed Use Temperature	-30°C / +70°C
Mobile Use Temperature	-5°C / +70°C
Installation Temperature	0°C
Fire behaviour	IEC 60332-1, Iec 60332 3 24 Cat. of
Fire Behavior Type	Flame retardant IEC 60332-1 Fire retardant IEC 60332-3-24
Halogen-free Standard	IEC 60754-1/-2 IEC 61034-2

ORDER INFORMATION

REFERENCE	CONSTRUCTION	Ø SHEATH NOM (MM)	WEIGHT (KG/KM)
LCAEMPSS124120SHB2	1x2xAWG24	5.6	42

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