ADALTRA

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LCAEMPIS222SHB2x

2 pair AWG22 shielded LSZH B2ca s1a d1 a1 cables

DESCRIPTION

The LCAE MPIS 222 SHB2 cable, PP insulated, low capacitance with CPR classification B2ca s1a,d1,a1, is used as a control and data transmission cable according to RS232. Aluminum tape shielding on each pair provides excellent electromagnetic protection. Recommended for high-rise buildings (HRB), public access buildings (PAB), and infrastructures (tunnels, airports, nuclear sites).



ADVANTAGES

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- Low capacitance
- Excellent electromagnetic protection
- Halogen-free sheath
- CPR: B2ca s1a,d1,a1

CONSTRUCTION & TECHNICAL PERFORMANCE

Core gauge	AWG22
Conductor material	Tinned copper
Insulation Material	PP
Insulation Identification Method	Black, Red, Green, White
Overall Shielding	Alu/pes tape with drain wire
Individual Shielding	Alu/pes tape with drain wire
Outer Sheath Material	LSZH
Color	Grey
Nom. diameter of the outer sheath (mm)	5.0
Construction (mm²)	2 x 2 x AWG 22

ELECTRICAL CHARACTERISTICS

Service Voltage (V)	300 V
Test voltage (V)	1.2 kV
Linear electrical resistance (Ω/Km)	≤ 53.5 Ω/km

TRANSMISSION CHARACTERISTICS

Propagation speed (%)	66

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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)
LCAEMPIS222SHB2	2x2xAWG22	5.0	27

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