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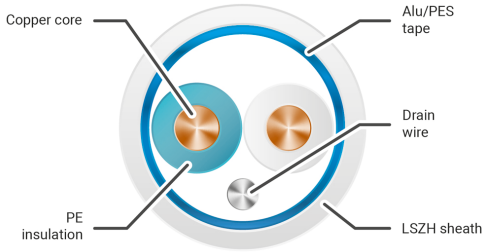
LCAEMPS122100SHB2x

1-pair AWG22 Shielded LSZH B2ca s1a d1 a1 Cables - LonWorks

DESCRIPTION

The LCAE MPS 122-100 SHB2 cable, PE insulated, low capacitance with CPR classification B2ca s1a,d1,a1, is used for LonWorks level IV applications. It is recommended for high-rise buildings (HRB), public access buildings (PAB), and infrastructures (tunnels, airports, nuclear sites).



ADVANTAGES

- Impedance 100 Ohms
- Overall shielding with aluminum tape
- Halogen-free sheath
- CPR: B2ca s1a,d1,a1

CONSTRUCTION & TECHNICAL PERFORMANCE

Core gauge	AWG22
Conductor material	Tinned copper
Insulation Material	PE
Insulation Identification Method	White, Blue
Overall Shielding	Alu/pes tape with drain wire
Outer Sheath Material	LSZH
Color	White
Nom. diameter of the outer sheath (mm)	4.5
Construction (mm²)	1 x 2 x AWG22

ELECTRICAL CHARACTERISTICS

Service Voltage (V)	300 V
Test voltage (V)	1.2 kV
Linear electrical resistance (Ω/Km)	≤ 59 Ω/km

TRANSMISSION CHARACTERISTICS

Propagation speed (%)	66
Characteristic Impedance (Ohms)	100 Ohms

Updated: 23/09/2026

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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)
LCAEMPS122100SHB2	1x2xAWG22	4.5	25

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