

Building Management Cable

LSZH 440Series 1x2x24awg Low Capacitance 600V

Suitable for Trend System Use



Application

This FireFighter® cable has been modified for Trend system use, they have the usual FireFighter 600 V tray cable rating as well as a special UV-Stable LSZH sheath acc. to <ISO 4892-2/A>. Used in building management installations for use in BEMS/BMS/HVAC BACnet™ RS-485 applications.

Cable Design

Conductor	Stranded tinned copper wire (24awg)
Insulation	Polyethylene (PE) 1,72 mm nom.
Core Identification	BLUE/white + WHITE/blue
Core Stranding	2 wires twisted to a pair. 1x2x24AWG
Overall Shield	Overall Aluminium/polyester tape
Drain Wire	Stranded tinned copper wire
Overall Braid Shield	Tinned copper wire braid, ≈ 90% coverage
Outer Jacket	LSZH FireFighter® UV-Stable

Characteristics

Colour	Violet
Rated Voltage	600 V
Temperature Range	-20 °C up to +90 °C
UV Stable	acc. to ISO 4892-2/A
Flame Retardant	IEC 60332-1
Halogen Free	IEC 60754-1/2
Smoke Density	IEC 61034-2
Euroclass	Eca



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Electrical Characteristics

Capacitance (nom.)	cond./cond.	42	pF/m
	cond./cond./screen	75,5	pF/m
Conductor DC Resistance		82	Ohm/km
Velocity of Propagation (nom.)		67	%
Inductance (nom.)		0,56	μH/m
Impedance (nom.)		120	Ohm
Attenuation @ 1 MHz (nom.)		1,96	dB/100m
Voltage Rating		600	V
Test Voltage	core/core	2000	V dc x 1 min.
Test Voltage	core/screen	1000	V dc x 1 min.

Specification

Part Number	Construction	Overall Diameter [mm ± 10%]
4401P2454-09	1 x 2 x 24 awg (0,22mm ²)	5,70

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