

FireFighter® 440Series

LSZH Multi-Pair 24awg Low Capacitance EIA-RS485 600V



Application

A range of 24awg low capacitance cables with a high level of screening. Provides interference free, high speed data transmission suitable for RS485 applications. These cables use FireFighter® Low Smoke Zero Halogen performance materials.

Cable Design

Conductor	Stranded tinned copper wire (24awg)
Insulation	see specification table
No. of Pairs	1, 2, 3, 4 or 8 - Colour coded to Chart 5
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® SHF-1

Characteristics

Colour	Grey RAL 7001
Rated Voltage	600 V
Temperature Range	-20°C up to +90°C

Fire Behaviour

FireFighter® cables fulfill one or several of the following standards and can be confirmed at time of enquiry:

- Flame Retardant acc. to IEC 60332-1 flame resistance for single cables
- Flame Retardant acc. to IEC 60332-3 flame resistance for bunched cables
- Halogen Free acc. to IEC 60754 series
- Smoke Emission acc. to IEC 61034 series



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Specification

Part Number	Formation <i>N° x Pair x AWG</i>	Insulation	Insulation Diameter <i>mm</i>	Nom. Ø <i>mm</i>	Weight <i>kg/km</i>
4401P2454	1 x 2 x 24 awg	PE	1,62	5,00	46
4402P2454	2 x 2 x 24 awg	PE	1,62	7,60	60
4403P2454	3 x 2 x 24 awg	PE	1,62	8,20	68
4404P2454	4 x 2 x 24 awg	PE	1,62	9,00	77
4408P2454	8 x 2 x 24 awg	Foam PE	1,15	9,10	116

Electrical Characteristics

Nom. Capacitance (cond./cond.) <i>pF/m</i>	Nom. Capacitance (cond./cond./ screen) <i>pF/m</i>	Electrical Resistance <i>Ω/km</i>	Nom. Velocity of Propagation <i>%</i>	Nom. Inductance <i>μH/m</i>	Nom. Impedance <i>Ω</i>
42	75,5	82	66	0,56	120

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