# 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
- $\bullet$  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	Insulation	Insulation Diameter	Nom. Ø	Weight
	N° x Pair x AWG		mm	mm	kg/km
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.	Nom.	Electrical	Nom.	Nom.	Nom.
Capacitance	Capacitance	Resistance	Velocity	Inductance	Impedance
(cond./cond.)	(cond./cond./		of Propagation		
	screen)				
pF/m	pF/m	Ω/km	%	μH/m	Ω
42	75,5	82	66	0,56	120

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