

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

- Flame Retardant acc. to IEC 60332-1
- Halogen Free acc. to IEC 60754
- Smoke Emission acc. to IEC 61034
- Euroclass Eca



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Specification

Part Number	Formation N° x Pair x AWG	Insulation	Insulation Diameter mm	Nom. Ø ± 10% mm	Weight 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. Capacitance (cond./cond.) pF/m	Nom. Capacitance (cond./cond./ screen) pF/m	Electrical Resistance Ω/km	Nom. Velocity of Propagation %	Nom. Inductance μH/m	Nom. Impedance Ω
42	75,5	82	66	0,56	120

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