



FireFighter® 440Series LSZH

Two Pair 24awg Low Capacitance EIA-RS485 600V



Application

24awg low capacitance cable 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 with CPR Classification B2ca.

Cable Design

Conductor	Stranded tinned copper wire (24awg)
Insulation	HDPE - High Density Polyethylene
No. of Pairs	2
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®
Outer Jacket Colour	Grey RAL 7001 <UV Resistant: ISO 4892-3>
Pair Identification	Pair 1 : BLUE/white stripe + WHITE/blue stripe Pair 2 : ORANGE/white stripe + WHITE/orange stripe)



Characteristics

Euroclass	B2ca-s1a,d1,a1
Flame Retardant in Bunch	acc. to IEC 60332-3-24
Flame Retardant	acc. to IEC 60332-1
Halogen Free	acc. to IEC 60754
Smoke Emission	acc. to IEC 61034
Temperature Range	-20°C up to +75°C



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Specification

Part Number	Formation N° x Pair x AWG	Insulation Diameter ± 0,05 mm	Nom. Ø ± 0,3 mm	Weight kg/km
4402P2454B	2 x 2 x 24 awg	1,80	7,80	60

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	Rated Voltage V
42	75,5	82	66	0,56	120	600

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