

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



FireFighter® 440Series

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

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

Belcom Cables Ltd. ("Belcom") reserves the right to make changes to the product described in this specification without prior notice. Belcom does not assume any liability which may occur due to the use of the specification described herein. Drawings are not to scale unless otherwise specified and are provided for general and informational purposes only. All values represented in this specification should be used as a guide only and exact product details can be confirmed at point of enquiry.