

FireFighter® 410Series

LSZH Multi-Pair 24awg Shielded 600V

Application

A range of multi-pair 24awg cables designed to provide protection against electrical interference. They are suitable for use over long distances where high performance levels and low signal distortion is required. These cables are widely used for instrumentation control and use FireFighter® Low Smoke Zero Halogen performance materials.

Cable Design

Conductor	Stranded tinned annealed copper wire (24awg)
Insulation	LSZH FireFighter®
No. of Pairs	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 15, 19, 25 or 50
Drain Wire	Stranded tinned copper wire
Overall Shield	Overall Aluminium/Polyester tape
Outer Jacket	LSZH FireFighter® SHF-1

Characteristics

Colour	Grey RAL 7001
Rated Voltage	600 V
Temperature Range	-20°C up to +90°C
Bending Radius	10 x Ø

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	Colour code	Overall Diameter mm (± 10%)	Weight kg/km
4101P2444	1 x 2 x 24 awg	Chart 3	4,10	18
4102P2444	2 x 2 x 24 awg	Chart 3	6,05	33
4103P2444	3 x 2 x 24 awg	Chart 3	6,45	42
4104P2444	4 x 2 x 24 awg	Chart 3	7,15	54
4105P2444	5 x 2 x 24 awg	Chart 3	7,50	60
4106P2444	6 x 2 x 24 awg	Chart 3	7,65	68
4107P2444	7 x 2 x 24 awg	Chart 3	7,80	69
4108P2444	8 x 2 x 24 awg	Chart 3	8,20	77
4109P2444	9 x 2 x 24 awg	Chart 3	8,50	99
4110P2444	10 x 2 x 24 awg	Chart 3	9,90	105
4115P2444	15 x 2 x 24 awg	Chart 3	11,30	145
4119P2444	19 x 2 x 24 awg	Chart 3	12,70	178
4125P2444	25 x 2 x 24 awg	Chart 3	15,10	220
4150P2444	50 x 2 x 24 awg	Chart 17	19,00	370

Electrical Characteristics

No. of Pairs	Nom. Capacitance (cond./cond.) pF/m	Nom. Capacitance (cond./cond./ scrn) pF/m	Nom. Conductor DC Resistance Ω/km	Nom. Shield DC Resistance Ω/km	Nom. Impedance Ω
1	131	243	78,7	59,1	75
2 - 5	98	164	78,7	55,8	75
6	98	164	78,7	52,5	75
7 - 25	98	164	78,7	54,1	75
50	98	164	78,7	49,9	75

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