



FireFighter® 410Series

LSZH Multi-Pair 24awg Shielded 600V CPR Dca



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 with CPR classification Dca.

Cable Design

Conductor	Stranded tinned annealed copper wire (24awg)
Insulation	PE - Polyethylene
No. of Pairs	1, 2, 4, 6, 8
Drain Wire	Stranded tinned copper wire
Overall Shield	Overall Aluminium/Polyester tape
Outer Jacket	LSZH FireFighter®

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 Dca





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Specification

Part Number	Formation N° x Pair x AWG	Colour code	Overall Diameter [mm]		Weight kg/km
			Minimum	Maximum	
4101P2424	1 x 2 x 24 awg	Chart 3	3,69	4,51	18
4102P2424	2 x 2 x 24 awg	Chart 3	4,90	6,10	33
4104P2424	4 x 2 x 24 awg	Chart 3	6,43	7,87	54
4106P2424	6 x 2 x 24 awg	Chart 3	6,88	8,42	68
4108P2424	8 x 2 x 24 awg	Chart 3	7,38	9,02	77

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	98	164	78,7	55,8	75
4	98	164	78,7	55,8	75
6	98	164	78,7	52,5	75
8	98	164	78,7	54,1	75

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