

U.I. Lapp GmbH	<b>PRODUCT INFORMATION</b>	
	<b>J-Y(ST)Y...LG Fire Alarm Cable</b>	<b>14.11.2013</b>

Installation cable in accordance with DIN VDE 0815 with red outer sheath

The cable is marked with the phrase "Fire alarm cable" at regular intervals on the sheath. It is therefore used especially for installation in fire alarm systems.

Aluminium-laminated plastic foil static screen with tin-plated drain wire minimises the interference of high frequency, electromagnetic fields

Decoupling of circuits by means of twisted-pair (TP) design (crosstalk effects)



Interference signals

### Application range

This installation cable is used to transmit signals.

For fixed installation on and under plaster, in dry and damp rooms

For outdoor use this cable should be installed under plaster only

### Design

Solid bare copper conductor

Core insulation made of PVC

Cores twisted in pairs, pairs twisted together, foil wrapping over cable core, static screen made of aluminium-laminated plastic film with copper drain wire

Outer sheath made of PVC Outer sheath colour: flame red (RAL 3000)

### Norm references / Approvals

Based on DIN VDE 0815 type J-Y(ST)Y...LG

### Product features

The 2-pair version (2x2x0.8) is twisted into a star quad

Flame-retardant according IEC 60332-1-2

### Remark

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 100/100kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum

Photographs are not to scale and do not represent detailed images of the respective products.

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### Technical Data

Core identification code:	according to VDE 0815, refer to Appendix T10
Peak operating voltage:	(not for power applications) 300 V
Insulation resistance:	> 100 MOhm x km
Coupling:	(800 Hz): K1: 80% ≤ 300 pF/100m
Conductor cross-section in:	0.8 mm: 0.50 mm <sup>2</sup>
Cable attenuation/attenuation:	0.8 mm: 1.1 dB/km
Minimum bending radius:	Fixed installation: 10 x outer diameter
Test voltage:	Core/core: 800 V Core/screen: 800 V
Loop resistance:	max. 73.2 Ohm/km
Temperature range:	Occasional flexing: -5 °C to +50 °C Fixed installation: -30 °C to +70 °C

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Part number	Number of pairs and conductor diameter (mm)	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
J-Y(ST)Y...LG Fire Alarm Cable				
1708001	1 x 2 x 0,8	6.0	11.0	40
1708002	2 x 2 x 0,8	7.0	21.0	60
1708004	4 x 2 x 0,8	9.0	41.0	100
1708006	6 x 2 x 0,8	10.5	62.0	140
1708010	10 x 2 x 0,8	13.5	102.0	220
1708020	20 x 2 x 0,8	16.5	204.0	380