DATASHEET

J-Y(ST)Y...LG Fire Alarm Cable

1708002

14.11.2013

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)

RoHS

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 PVCOuter sheath colour: flame red (RAL 3000)

Norm references / Approvals

Based on DIN VDE 0815type 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
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

Number of pairs and conductor diameter (mm):	2 x 2 x 0,8
Outer diameter (mm):	7
Copper index (kg/km):	21
Weight (kg/km):	60
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 mm²
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