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| U.I. Lapp<br>GmbH | <b>DATASHEET</b>                  |  |
|                   | <b>J-Y(ST)Y...LG Indoor Cable</b> | <b>1591500</b><br><b>14.11.2013</b>                                                |

Installation cable in accordance with DIN VDE 0815

Indoor telephone cables transmit analogue or digital signals

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

In news and communication applications, the following connections can be installed: telephone, telefax, telex, standard modems for postal services; burglar and fire alarm systems (cf. fire alarm cables); communication and paging systems; access control, time and data control systems

Can be used in dry and wet interiors for fixed installation on and under plaster

### 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: pebble grey (RAL 7032)

### Norm references / Approvals

In accordance with DIN VDE 0815 type J-Y(ST)Y...LG

### Product features

The 2-paired versions = star quad cable design

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

|                                |                                                                             |
|--------------------------------|-----------------------------------------------------------------------------|
| Number of double cores:        | 1                                                                           |
| Outer diameter (mm):           | 6                                                                           |
| Copper index (kg/km):          | 11                                                                          |
| Weight (kg/km):                | 40                                                                          |
| Core identification code:      | according to VDE 0815,<br>refer to Appendix T10                             |
| Peak operating voltage:        | (not for power applications)<br>300 V                                       |
| Insulation resistance:         | > 100 MOhm x km                                                             |
| Coupling:                      | (800 Hz): K1: 80% ≤ 300 pF/100m                                             |
| Conductor cross-section in:    | 0.6 mm: 0.28 mm <sup>2</sup><br>0.8 mm: 0.50 mm <sup>2</sup>                |
| Cable attenuation/attenuation: | 0.6 mm: 1.7 dB/km<br>0.8 mm: 1.1 dB/km                                      |
| Minimum bending radius:        | Fixed installation: 10 x outer diameter                                     |
| Test voltage:                  | Core/core: 800 V<br>Core/screen: 800 V                                      |
| Loop resistance:               | 0.6 mm: max. 130 ohm/km<br>0.8 mm: max. 73.2 ohm/km                         |
| Temperature range:             | Occasional flexing: -5 °C to +50 °C<br>Fixed installation: -30 °C to +70 °C |

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