

Installation cable in accordance with VDE 0815

### Product Description

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 field; TP structure minimises crosstalk



### 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

### Benefits

- 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 field
- TP structure minimises crosstalk

### Design

- Solid bare copper conductor
- Core insulation: Based on PVC
- Cores twisted in pairs, foil wrapping and static screen made of aluminium-laminated plastic film with copper drain wire over the cable core
- PVC-based outer sheath Outer sheath colour: pebble grey (RAL 7032)

### Product features

- The 2-paired versions = star quad cable design
- Flame-retardant according to IEC 60332-1-2
- Printed text may differ from illustration

## Technical Data

### Core identification code

according to VDE 0815, refer to Appendix T10

### Approvals

VDE 0815

### 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

0.6 mm: 0.28 mm<sup>2</sup>

0.8 mm: 0.50 mm<sup>2</sup>

### Cable attenuation/attenuation

0.6 mm: 1.7 dB/km

0.8 mm: 1.1 dB/km

### Minimum bending radius

10 x outer diameter

### Test voltage

Core/core: 800 V

Core/screen: 800 V

### Loop resistance

0.6 mm: max. 130 ohm/km

0.8 mm: max. 73.2 ohm/km

### Temperature range

Fixed installation: -30°C to +70°C

## Article List

| Part number                           | Number of double cores | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|---------------------------------------|------------------------|---------------------|----------------------|----------------|
| J-Y(ST)Y...LG copper conductor 0.6 mm |                        |                     |                      |                |
| 1591300                               | 1                      | 5.0                 | 6.9                  | 30             |
| 1591301                               | 2                      | 5.5                 | 13.0                 | 40             |
| 1591302                               | 3                      | 6.3                 | 18.0                 | 50             |
| 1591303                               | 4                      | 6.7                 | 24.0                 | 60             |
| 1591304                               | 5                      | 7.2                 | 30.0                 | 70             |
| 1591305                               | 6                      | 7.5                 | 35.0                 | 80             |
| 1591306                               | 8                      | 8.0                 | 46.0                 | 90             |
| 1591307                               | 10                     | 9.0                 | 58.0                 | 110            |
| 1591308                               | 12                     | 9.5                 | 71.0                 | 130            |
| 1591310                               | 16                     | 10.5                | 93.0                 | 160            |
| 1591311                               | 20                     | 11.0                | 116.0                | 190            |
| 1591312                               | 24                     | 11.5                | 139.0                | 220            |
| 1591313                               | 30                     | 13.0                | 172.0                | 280            |
| 1591314                               | 40                     | 15.0                | 229.0                | 350            |
| 1591315                               | 50                     | 17.0                | 286.0                | 430            |
| 1591316                               | 60                     | 18.0                | 342.0                | 500            |
| 1591318                               | 100                    | 23.0                | 568.0                | 850            |
| J-Y(ST)Y...LG copper conductor 0.8 mm |                        |                     |                      |                |

|         |    |      |       |     |
|---------|----|------|-------|-----|
| 1591500 | 1  | 6.0  | 11.0  | 40  |
| 1591501 | 2  | 7.0  | 21.0  | 60  |
| 1591502 | 3  | 8.5  | 31.0  | 80  |
| 1591503 | 4  | 9.0  | 41.0  | 100 |
| 1591504 | 5  | 9.5  | 52.0  | 120 |
| 1591505 | 6  | 10.5 | 62.0  | 140 |
| 1591506 | 8  | 11.5 | 82.0  | 170 |
| 1591507 | 10 | 13.0 | 102.0 | 220 |
| 1591508 | 12 | 14.0 | 123.0 | 250 |
| 1591510 | 16 | 15.5 | 164.0 | 320 |
| 1591511 | 20 | 16.5 | 204.0 | 380 |
| 1591512 | 24 | 19.0 | 244.0 | 460 |
| 1591513 | 30 | 20.0 | 304.0 | 560 |
| 1591514 | 40 | 22.5 | 405.0 | 710 |

**Footnote:**

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 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  $\leq$  30 kg or  $\leq$  250 m, otherwise drum

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