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

RoHS

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 mm²
0.8 mm: 0.50 mm²

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

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.