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U.I. Lapp GmbH	PRODUCT INFORMATION	LAPP GROUP
	J-Y(ST)Y ...LG Indoor Cable	**12.09.2012**

Installation cable in accordance with 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 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

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)

Product features

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

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 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

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

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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

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