

Product Description

Indoor telephone cables transmit analogue or digital signals



Application range

- In news and communication technology, the following connections can be installed: telephone, telefax, telex as well as standard modems of 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

Design

- In accordance with VDE 0815
- Solid bare copper conductor Core insulation: Based on PVC
- cores are twisted in pairs, foil wrapping, static aluminium laminated plastic foil with copper drain wire over cable core, PVC-based outer sheath
- Variant with 4 cores twisted as star quad
- Colour: pebble grey (RAL 7032)

Product features

- Flame retardant according to IEC 60332-1-2



Technical Data

Peak working voltage

(not for power applications) 300 V

Insulation resistance

> 100MΩ 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 cable diameter

Test voltage

C/C: 800 V

C/S 800 V

Loop resistance

0.6 mm: max. 130 Ω/km

0.8 mm: max. 73.2 Ω/km

Range of temperature

Fixed installation: -30°C up to +70°C

Use/application

For stationary installation on or under plaster in dry and damp interiors

Article List

Part number	Number of double cores	Outer diameter in mm approx.	Copper index kg/km	Weight kg/km approx.	Number of star quads
J-Y(ST)Y...LG Copper conductor 0.6 mm					
1591300	1	5	6.9	30	
1591301	2	5.5	13	40	1
1591302	3	6.3	18	50	
1591303	4	6.7	24	60	
1591304	5	7.2	30	70	
1591305	6	7.5	35	80	
1591306	8	8	46	90	
1591307	10	9	58	110	
1591308	12	9.5	71	130	
1591310	16	10.5	93	160	
1591311	20	11	116	190	
1591312	24	11.5	139	220	
1591313	30	13	172	280	
1591314	40	15	229	350	
1591315	50	17	286	430	
1591316	60	18	342	500	
1591318	100	23	568	850	



J-Y(ST)Y...LG Copper conductor 0.8 mm					
1591500	1	6	11	40	
1591501	2	7	21	60	1
1591502	3	8.5	31	80	
1591503	4	9	41	100	
1591504	5	9.5	52	120	
1591505	6	10.5	62	140	
1591506	8	11.5	82	170	
1591507	10	13	102	220	
1591508	12	14	123	250	
1591510	16	15.5	164	320	
1591511	20	16.5	204	380	
1591512	24	19	244	460	
1591513	30	20	304	560	
1591514	40	22.5	405	710	
1591515	50	25.5	506	900	
1591516	60	28	606	1050	
1591517	100	32	1008	1750	

Footnote:

Copper price basis: EUR 100 / 100 kg

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: Coil <= 30 kg and <= 250 m, otherwise drum