

## Product Description



## Application range

- Do not place duct or directly buried underground cable in areas subject to fire hazard

## Design

- Solid bare copper conductor
- Core insulation: Polyethylene (2Y)
- Every 5 star quads twisted into basic units, basic units and main unit twisted to form cable core
- Paper tape wrapping
- Laminated sheath of aluminium-coated plastic tape, black polyethylene (PE) outer sheath

## Technical Data

### Core identification code

see Appendix T10

### Mutual capacitance

At 800 Hz: max. 52 nF/km

### Peak working voltage

(not for power applications) 225 V

### Impedance

At 800 Hz 0.8 mm: approx. 520 Ohm

At 800 Hz 0.6 mm: approx. 720 Ohm

### Based on

VDE 0816

### Insulation resistance

>5.0 GOhm x km

### Coupling

K1: 98 %

### 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

At 800 Hz 0.6 mm: Approx. 1.04 dB/km

At 800 Hz 0.8 mm: At 0.78 dB/km

### Minimum bending radius

10 x outer diameter

### Test voltage

C/C: 500 V

Core/screen: 2000 V

### Loop resistance

0.8 mm: 73.2 Ohm/km

0.6 mm: 130 Ohm/km

### Range of temperature

For installation: -20 °C up to +50 °C Installed:



Article List

Part number	Number of double cores	Outer diameter in mm	Copper index kg/km	Weight kg/km
A-2Y(L)2Y...STIII BD copper conductor 0.6 mm				
1591050	2	10.5	11.0	80
1591051	4	11.0	23.0	125
1591052	6	11.5	34.0	130
1591053	10	13.0	57.0	165
1591054	20	16.0	113.0	265
1591055	30	18.0	170.0	355
1591056	40	19.5	226.0	440
1591057	50	21.0	283.0	525
1591058	70	23.5	396.0	705
1591061	200	36.5	1131.0	1755
1591063	300	42.5	1696.0	2525
A-2Y(L)2Y...ST III BD copper conductor 0.8 mm				
1591150	2	8.6	20.0	100
1591151	4	10.9	40.0	160
1591152	6	13.5	60.0	175
1591153	10	15.0	101.0	235
1591163	14	16.5	141.0	296
1591154	20	18.0	201.0	390
1591155	30	21.0	302.0	540
1591156	40	23.5	402.0	680
1591157	50	25.0	503.0	835

Footnote:

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

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

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