



## A-2Y(L)2Y...ST III BD Outdoor Cable A-2YF(L)2Y...ST III BD Outdoor Cable



### Application range

- External cables for telecommunication and data processing systems
- Do not install cables that are meant to be placed in ducts or for direct burial in areas exposed to fire hazards

### Product features

- Outer sheath colour: black (RAL 9005)
- UV-resistant and laterally watertight
- Filled version (A-2YF(L)2Y...ST III BD) is additionally longitudinal watertight

### Norm references / Approvals

- In accordance with DIN VDE 0816

### Product make-up

#### A-2Y(L)2Y...ST III BD Outdoor Cable

- Solid bare copper conductor
- Core insulation made of polyethylene (PE)
- 5 star-quads are twisted into each basic unit, which is then twisted together with the main unit to form the cable core
- Paper tape wrapping
- Laminated sheath with aluminium-coated plastic tape, PE outer sheath

#### A-2YF(L)2Y...ST III BD Outdoor Cable

- Similar to A-2Y(L)2Y, but with petroleum-jelly filling, laminated sheath made of aluminium-coated plastic tape, and black PE outer sheath

### Technical data



**Core identification code**  
According to VDE 0816, refer to Appendix T10



**Mutual capacitance**  
At 800 Hz: max. 52 nF/km



**Peak operating voltage**  
(not for power applications) 225 V



**Impedance**  
At 800 Hz 0.6 mm: approx. 720 Ohm  
At 800 Hz 0.8 mm: approx. 520 Ohm



**Insulation resistance**  
**A-2Y(L)2Y...ST III BD Telephone Outdoor Cable**  
> 5.0 Gohm-km  
**A-2YF(L)2Y...ST III BD Outdoor Cable**  
> 1.5 Gohm-km



**Coupling**  
K1: 98 % < 400 pF/300 m  
K9-12: 98 % < 100 pF/300 m



**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

**A-2Y(L)2Y...ST III BD Outdoor Cable**  
At 800 Hz 0.6 mm: approx. 1.04 dB/km  
At 800 Hz 0.8 mm: approx. 0.78 dB/km  
**A-2YF(L)2Y...ST III BD Outdoor Cable**  
At 800 Hz 0.6 mm: approx. 1.0 dB/km  
At 800 Hz 0.8 mm: approx. 0.8 dB/km



**Minimum bending radius**  
10 x outer diameter



**Test voltage**  
Core/core: 500 V  
Core/screen: 2000 V



**Loop resistance**  
0.6 mm: 130 ohm/km  
0.8 mm: 73.2 ohm/km



**Temperature range**  
During installation: -20 °C to +50 °C  
After installation: ≤ +70 °C

Article number	Number of double cores	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
<b>A-2Y(L)2Y...ST III BD copper conductor 0.6 mm</b>				
1591050	2	8.1	11.0	65
1591051	4	10.0	23.0	90
1591052	6	10.5	34.0	110
1591053	10	11.5	57.0	140
1591054	20	15.5	113.0	230
1591055	30	16.6	170.0	320
1591056	40	18.0	226.0	400
1591057	50	19.5	283.0	470
1591058	70	23.0	396.0	610
1591061	200	36.5	1,131.0	1600
1591063	300	44.0	1,696.0	2300
<b>A-2Y(L)2Y...ST III BD copper conductor 0.8 mm</b>				
1591150	2	8.6	20.0	75
1591151	4	10.9	40.0	120
1591152	6	11.5	60.0	145
1591153	10	13.5	101.0	200
1591163	14	16.5	141.0	270
1591154	20	17.3	201.0	340
1591155	30	19.0	302.0	480
1591156	40	20.7	402.0	610
1591157	50	23.7	503.0	750
<b>A-2YF(L)2Y...ST III BD copper conductor 0.6 mm</b>				
1591028	2	8.3	11.0	67
1591029	4	10.4	23.0	104
1591030	6	11.0	34.0	130
1591031	10	12.5	57.0	180
1591032	20	16.0	113.0	300
1591033	30	19.0	170.0	420
1591035	50	22.3	283.0	620
1591037	100	30.5	565.0	1225
<b>A-2YF(L)2Y...ST III BD copper conductor 0.8 mm</b>				
1591217	2	8.8	20.0	83
1591218	4	11.2	40.0	134
1591221	6	12.0	60.0	180
1591222	10	14.0	101.0	250
1591223	20	19.1	201.0	460
1591224	30	22.0	302.0	630
1591225	40	24.0	402.0	800
1591226	50	26.0	503.0	975
1591228	100	36.0	1,005.0	1900

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100kg. Refer to catalogue 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 ≤ 30 kg or ≤ 250 m, otherwise drum

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

### Accessories

- SKINTOP® MS-SC-M refer to page 674
- Multipurpose shears A and B refer to page 907
- STAR STRIP stripping tool refer to page 910