



A-2Y(L)2Y...ST III BD Telephone 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 Telephone 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



Classification

ETIM 5.0 Class-ID: EC000829
ETIM 5.0 Class-Description:
Signal-/telecommunications cable



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



Coupling

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



Conductor cross-section in

0.6 mm: 0.28 mm²
0.8 mm: 0.50 mm²

Cable attenuation/attenuation

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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)
A-2Y(L)2Y...STIII BD copper conductor 0.6 mm				
1591050	2	8.1	11	65
1591052	6	10.3	34	110
1591053	10	11.5	57	140
A-2Y(L)2Y...ST III BD copper conductor 0.8 mm				
1591150	2	8.6	20	75
1591151	4	10.9	40	120
1591152	6	11.5	60	145
1591153	10	13.5	101	200
1591154	20	17.3	201	340
A-2YF(L)2Y...ST III BD copper conductor 0.6 mm				
1591028	2	8.3	11	67
1591029	4	10.4	23	104
1591030	6	11	34	130
1591031	10	12.5	57	180
1591032	20	16	113	300
1591033	30	19	170	420
1591035	50	22.3	283	620
1591037	100	30.5	565	1225
A-2YF(L)2Y...ST III BD copper conductor 0.8 mm				
1591217	2	8.8	20	83
1591218	4	11.2	40	134
1591221	6	12	60	180
1591222	10	14	101	250
1591223	20	19.1	201	460
1591224	30	22	302	630
1591225	40	24	402	800
1591226	50	26	503	975
1591228	100	36	1005	1900

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

Copper price basis: EUR 150/100 kg. 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

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.