


U.I. Lapp GmbH	<b>PRODUCT INFORMATION</b>	
	<b>A-2Y(L)2Y...ST III BD Telephone Outdoor Cable</b>	07.11.2014



Suitable for outdoor use



Interference signals



UV-resistant

### 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 Make-up

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

### Norm references / Approvals

In accordance with DIN VDE 0816

### 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

### Remark

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](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.

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### 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
Classification:	ETIM 5.0 Class-ID: EC000829 ETIM 5.0 Class-Description: Control cable
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 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: approx. 0.78 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

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Part 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	11.0	65
1591051	4	10.0	23.0	90
1591052	6	10.3	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	1131.0	1600
1591063	300	44.0	1696.0	2300
A-2Y(L)2Y...ST III BD copper conductor 0.8 mm				
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