

U.I. Lapp GmbH	PRODUCT INFORMATION	
	A-2Y(L)2Y ...ST III BD Telephone Outdoor Cable	12.09.2012



Application range

Do not install cables that are meant to be placed in ducts or for direct burial in areas exposed to fire hazards

Design

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

Product features

Outer sheath colour: black (RAL 9005)

Remark

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

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

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

Technical Data

Core identification code:	According to VDE 0816, refer to T 10
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
Based on:	VDE 0816
Insulation resistance:	> 5.0 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 ² 0.8 mm: 0.50 mm ²
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: \leq +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	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