

1591030	DATA SHEET	
valid from: 2026-06-16	A-2YF(L)2Y...ST III BD Outdoor Cable	

Application

A-2YF(L)2Y...ST III BD Outdoor Cable are External cables for telecommunication and data processing systems. They are UV-resistant, laterally watertight and due to the petroleum-jelly filling additionally longitudinal watertight.

Design

Design	acc. to VDE 0816-1, table 4 Type A-2YF(L)2Y...ST III BD
Outer sheath	Colour of the sheath: black (similar RAL 9005)

Electrical properties at 20 °C

Loop resistance	0.6 mm (0.28 mm ²): max. 130 Ω/km 0.8 mm (0.5 mm ²): max. 73.2 Ω/km
Insulation resistance	min. 5 GΩ/km
Mutual capacitance	max. 55 nF/km (at 800 Hz)
Capacitive coupling	K1: 98 % <400 pF/300 m K9-12: 98 % < 100 pF/300 m (at 800 Hz)
Maximum operating voltage	225 V (not intended to be used in conjunction with low impedance sources, such as power grids)
Test voltage	C/C: 500 V C/S: 2000 V

Mechanical and thermal properties

Minimum bending radius	fixed installation: 10 x outer diameter
Temperature range	occasional flexing: -20 °C up to +50 °C max. conductor temperature fixed installation: up to +70 °C max. conductor temperature

Tests	acc. to DIN VDE 0816-1, Type A-2YF(L)2Y...ST III BD Electrical properties acc. to table 5 Tests at the cable acc. to table 10 and 11
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General requirements	These cables are conform to EU-Directive 2014/35/EU (Low Voltage Directive) and to EU-Directive 2011/65/EU (RoHS, Restriction of the use of certain hazardous substances).
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Environmental information	These cables meet the substance-specific requirements of the EU Directive 2011/65/EU (RoHS).
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Note	Trade product, no LAPP product
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Creator: PESA/PDC	Document: DB1591030EN	Page 1 of 1
Released: ALTE/PDC	Version: 03	