


1591028	DATA SHEET	
valid from: 01.01.2019	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	Design in accordance with DIN VDE 0816, Table 4, Type A-2YF(L)2Y...ST III BD Electrical properties in accordance with DIN VDE 0816, Table 5, Type A-2YF(L)2Y...ST III BD Tests at the cable in accordance with DIN VDE 0816, Tabelle 10 and 11
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)
Peak operating voltage	225 V (not for power applications)
Test voltage	C/C: 500 V C/S: 2000 V

Mechanical and thermal properties

Minimum bending radius	Fixed installation: 10 x cable Ø
Temperature range	Occasional flexing: - 20 °C up to +50 °C Fixed installation: up to +70 °C
General requirements	These cable are conform to the EU-Directive 2011/65/EU (RoHS, Restriction of the use of certain hazardous substances).

Creator: PESA / PDC	Document: DB1591028EN	Page 1 of 1
Released: ALTE / PDC	Version: 01	