

|                           |                                            |                                                                                     |
|---------------------------|--------------------------------------------|-------------------------------------------------------------------------------------|
| 1591050                   | <b>DATA SHEET</b>                          |  |
| valid from:<br>01.01.2019 | <b>A-2Y(L)2Y...ST III BD Outdoor Cable</b> |                                                                                     |

## Application

A-2Y(L)2Y...ST III BD Outdoor Cable are External cables for telecommunication and data processing systems. They are UV-resistant and laterally watertight.

## Design

|              |                                                                                                                                                                                                                                                      |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Design       | Design in accordance with DIN VDE 0816, Table 4, Type A-2YF(L)2Y...ST III BD<br>Electrical properties in accordance with DIN VDE 0816, Table 5, Type A-2YF(L)2Y...ST III BD<br>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: max. 130 Ω/km<br>0.8 mm: 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<br>K9-12: 98 % < 100 pF/300 m<br>(at 800 Hz) |
| Peak operating voltage | 225 V (not for power applications)                                   |
| Test voltage           | C/C: 500 V<br>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<br>Fixed installation: up to +70 °C                                              |
| General requirements   | These cable are conform to the EU-Directive 2011/65/EU<br>(RoHS, Restriction of the use of certain hazardous substances). |

|                      |                       |             |
|----------------------|-----------------------|-------------|
| Creator: PESA / PDC  | Document: DB1591050EN | Page 1 of 1 |
| Released: ALTE / PDC | Version: 03           |             |