



# JE-Y(ST)Y...BD EB

DB0034120 valid from: 23.11.2012

## Application

JE-Y(ST)Y...BD EB is a connecting cable for industrial electronics. It can be used in measurement and control engineering and also as pulse and data transmission cable.

With the blue outer sheath the cable is designed for the installation of intrinsically safe circuits in hazardous (explosive) areas.

The cable meets the requirements of VDE 0165 part 1 where a special marking for cables of hazard type "i" (intrinsically safe) is specified.

The cable is manufactured according to DIN VDE 0815. The requests for make-up and electrical quality of this norm are fulfilled.

The cable is intended for use in dry and damp interiors and for fixed installation.

## Design

Outer sheath

PD 0019/2.2\_11.10EN

Colour of the sheath: sky blue (RAL 5015)

#### Electrical properties at 20°

Loop resistance	max. 73.2 Ω/km
Insulation resistance	> 100 MΩ x km
Mutual capacitance	100 nF/km
Inductivity	0.65 mH/km
Capacitive coupling	200 pF/100 m
Peak working voltage	225 V (not for power applications)
Test voltage	C/C: 500 V C/S: 2000 V

#### Mechanical and thermal properties

Bending radius	Fixed inallation: 6 x cable Ø
Temperature range	Fixed installation: - 40°C up to +70°C
Flammability	flame retardant acc. to IEC 60332-1-2
EC directive	This cable is conform to the EC-Directive 2002/95/EC and 2011/65/EC (RoHS, Restriction of the use of certain hazardous substances).

Design based on standard DIN VDE 0815, Table 4, Type JE-Y(ST)Y...BD Electrical properties based on standard DIN VDE 0815, Table 10, Type JE-Y(ST)Y...BD Tests at the cable based on DIN VDE 0815, Tabelle 21

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