# DATA SHEET



## JE-LiYCY...BD EB

DB0034220 valid from: 23.11.2012

### **Application**

JE-LiYCY...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 suited for limited flexing use and fixed installation in dry and wet rooms on and under plaster.

### Design

Outer sheath Colour of the sheath: sky blue (RAL 5015)

### Electrical properties at 20°

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 Flexing: 15 x cable Ø

Fixed inallation: 6 x cable Ø

Temperature range Flexing: - 5 °C up to +70 °C

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 5, Type JE-LiYCY...BD

Electrical properties based on standard DIN VDE 0815, Table 11, Type JE-LiYCY...BD

Tests at the cable based on DIN VDE 0815, Tabelle 21