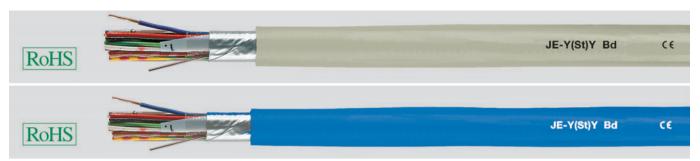
JE-Y(St)Y Bd Si Industry-Elektronic Cable according to DIN VDE 0815





Technical data

- Special core insulation to DIN VDE 0815/DIN 57815
- Conductor resistance at 20 °C 36,6 Ohm/km
- Temperature range flexing -5 °C to +50 °C fixed installation -30 °C to +70 °C
- Nominal voltage 225 V (not for purposes of high current and power installation)
- Test voltage core/core 500 V core/screen 2000 V
- Insulation resistance min. 100 MOhm x km
- Mutual capacitance max. 100 pF/m (the value can exceed of 20% by cables up to 4 pairs)
- Capacitance unbalance max. 200 pF/100 m
- Inductance approx. 0,70 mH/km
- Attenuation at 800 Hz approx. 1,1 dB/km
- Radiation resistance up to 80x106 cJ/kg (up to 80 Mrad)
- Minimum bending radius stationary approx. 6x cable ø
- Caloric load values see table Technical Informations

Cable structure

- Solid plain copper conductor wire 0.8 mm ø
- Special PVC core insulation YI3, to DIN VDE 0207 part 4
- Simatic colour coded to DIN VDE 0815
- Cores stranded in pairs with optimal lav-length
- 4 pairs stranded to a unit
- Units stranded in layer
- Polvester foil wrap
- PVC coated aluminium foil screen
- Copper drain-wire, bare
- Special PVC outer sheath YM1, to DIN VDE 0207 part 5
- Colour grey (RAL 7032) or blue (RAL 5015)
- with blue outer jacket for hazardous areas to hazard type -i- for intrinsically safe installation according to DIN EN 60079-14 and IEC 60079-14 section 12.2.2 (VDE 0165 part 1)

Properties

- PVC self-extinguishing and flame retardant according to VDE 0482-332-1-2, DIN EN 60332-1-2/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Note

- Also availabel in a halogen-free version. (see also content "Halogen-free Security Cables and Wires"
- Control cable with blue outer jacket, see catalog part A.

Application

This cable type is especially suited for transmission of signals and measurements in the fields of electronics and for data transmission in computers. Suitable for fixed installation in and under plaster, in dry and moist environments as well as in the open. These cables are not allowed for purposes of high current and power installation.

C = The product is conformed with the EC Low-Voltage Directive 2006/95/EG.

| Part no | . No.pairs x cross-sec. mm | Jacket colour | Outer Ø approx. mm | Cop. weight kg/km | Weight approx. kg / km | |
|---------|----------------------------------|------------------|--------------------------|-------------------------|------------------------|--|
| 48500 | 1 x 2 x 0,8 | grey | 5,2 | 20,0 | 43,0 | |
| 48501 | 2 x 2 x 0,8 | grey | 5,8 | 25,0 | 60,0 | |
| 48502 | 4 x 2 x 0,8 | grey | 7,7 | 45,0 | 95,0 | |
| 48503 | 8 x 2 x 0,8 | grey | 10,5 | 85,0 | 157,0 | |
| 48504 | 12 x 2 x 0,8 | grey | 11,5 | 126,0 | 224,0 | |
| 48505 | 16 x 2 x 0,8 | grey | 12,4 | 166,0 | 290,0 | |
| 48506 | 20 x 2 x 0,8 | grey | 14,3 | 206,0 | 350,0 | |
| 48507 | 32 x 2 x 0,8 | grey | 18,0 | 327,0 | 545,0 | |
| 48508 | 40 x 2 x 0,8 | grey | 19,5 | 407,0 | 660,0 | |
| 48509 | 80 x 2 x 0,8 | grey | 28,1 | 809,0 | 1160,0 | |

| Part no. | No.pairs x cross-sec. mm | Jacket colour | Outer Ø approx. mm | Cop. weight kg / km | Weight approx. kg / km | |
|----------|--------------------------------|------------------|--------------------------|---------------------------|------------------------|--|
| 48519 | 1 x 2 x 0,8 | blue | 5,2 | 20,0 | 43,0 | |
| 48520 | 2 x 2 x 0,8 | blue | 5,8 | 25,0 | 60,0 | |
| 48521 | 4 x 2 x 0,8 | blue | 7,7 | 45,0 | 95,0 | |
| 48522 | 8 x 2 x 0,8 | blue | 10,5 | 85,0 | 157,0 | |
| 48523 | 12 x 2 x 0,8 | blue | 11,5 | 126,0 | 224,0 | |
| 48524 | 16 x 2 x 0,8 | blue | 12,4 | 166,0 | 290,0 | |
| 48525 | 20 x 2 x 0,8 | blue | 14,3 | 206,0 | 350,0 | |
| 48526 | 32 x 2 x 0,8 | blue | 18,0 | 327,0 | 545,0 | |
| 48527 | 40 x 2 x 0,8 | blue | 20,3 | 407,0 | 660,0 | |
| 48528 | 80 x 2 x 0,8 | blue | 28,1 | 809,0 | 1160,0 | |

Dimensions and specifications may be changed without prior notice. (RB01)

