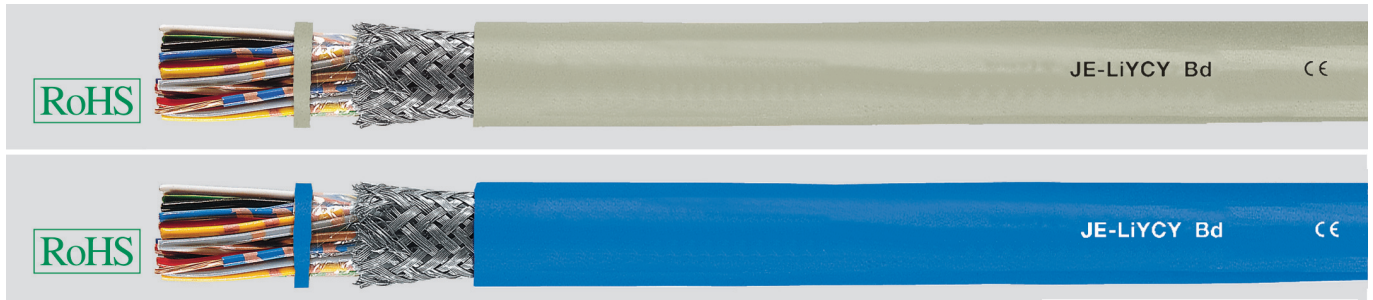


JE-LiYCY Bd Si industry electronic cable



Technical data

- Special industry electronic cable adapted to DIN VDE 0815
- **Conductor resistance** at 20°C 39,2 Ohm/km
- **Temperature range** flexing -5°C to +50°C fixed installation -30°C to +70°C
- **Operating peak voltage** 225 V (not for heavy current installation purposes)
- **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 80×10^6 cJ/kg (up to 80 Mrad)
- **Minimum bending radius** fixed installation 6x cable Ø

Cable structure

- Bare copper strands 7x0,3 mm
- Core insulation of PVC (Semi-Rigid-PVC)
- Core identification (pair) to DIN VDE 0815 (Simatic colour code)
- Cores stranded in pairs with optimal lay-length
- 4 pairs stranded to a unit
- Unit stranded with optimal lay-length
- Foil wrapping
- Bare or tinned copper wire braided, 0,2 mm Ø screening, approx. 85% coverage
- Outer sheath of PVC compound type YM1 to DIN VDE 0207 part 5
- Sheath colour grey (RAL 7032) or blue (RAL 5015)

Properties

- Suitable for cut clamp technology
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Tests

- PVC self-extinguishing and flame retardant acc. to DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)

Note

- Also available in a halogen-free version. (see also content "Halogen-free Security Cables and Wires")
- Control cable with blue outer sheath, see Flexible Control Cables
- with blue outer sheath for hazardous areas to hazard type -i- for intrinsically safe installation acc. to DIN EN 60079-14 section 12.2.2 (VDE 0165 part 1)
- 2-paired cables: cores stranded to a star quad
- For Maxi-Termi-Point® technique (Maxi-Termi-Point® = registered trade mark AMP)
- AWG sizes are approximate equivalent values. The actual cross-section is in mm².

Application

These cable types are suitable for transmission of signals and measurements in the symmetric circuits of the control and regulation technology, and for the transmission of data and process information in computer systems. Used in dry and damp premises, and in or under plaster in the open air for fixed installation. Installation cables are not allowed for purposes of high current and power or burial installation.

EMC = Electromagnetic compatibility

To optimize the EMC features we recommend a large round contact of the copper braiding on both ends.

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

Part no.	No.pairs x cross-sec. mm²	Sheath colour	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.	Part no.	No.pairs x cross-sec. mm²	Sheath colour	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
48510	2 x 2 x 0,5	GY	7,0	51,0	94,0	20	48529	2 x 2 x 0,5	BU	7,0	51,0	94,0	20
48511	4 x 2 x 0,5	GY	8,6	87,0	154,0	20	48530	4 x 2 x 0,5	BU	8,6	87,0	154,0	20
48512	8 x 2 x 0,5	GY	12,0	144,0	259,0	20	48531	8 x 2 x 0,5	BU	12,0	144,0	259,0	20
48513	12 x 2 x 0,5	GY	13,1	196,0	340,0	20	48532	12 x 2 x 0,5	BU	13,1	196,0	340,0	20
48514	16 x 2 x 0,5	GY	14,3	249,0	431,0	20	48533	16 x 2 x 0,5	BU	14,3	249,0	431,0	20
48515	20 x 2 x 0,5	GY	15,5	299,0	494,0	20	48534	20 x 2 x 0,5	BU	15,5	299,0	494,0	20
48516	24 x 2 x 0,5	GY	19,4	348,0	604,0	20	48535	24 x 2 x 0,5	BU	19,4	348,0	604,0	20
48517	32 x 2 x 0,5	GY	20,5	444,0	737,0	20	48536	32 x 2 x 0,5	BU	20,5	444,0	737,0	20
48518	40 x 2 x 0,5	GY	22,5	537,0	844,0	20	48537	40 x 2 x 0,5	BU	22,5	537,0	844,0	20

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