

JE-Y(St)Y...Bd

Control cable for industrial electronics

DESIGN



- 1 | Copper conductor, round solid (RE)
- 2 | Core insulation (PVC), cores pair stranded, pairs stranded in groups
- 3 | Inner covering (plastic tape)
- 4 | Screen (plastic laminated aluminium tape with drain wire)
- 5 | Sheath (PVC grey RAL 7032)

APPLICATION

For use in the electronics of control and regulating equipment. Preferably for use in interior premises but also for fixed installation on exterior walls of buildings. Not suitable for power installation purposes and direct burial.

TECHNICAL DATA

- Standard:**
DIN VDE 0815
- Rated voltage:**
max. 225 V_{ss}
- Test voltage:**
core/core: 500 V/50 Hz
core/screen: 2 kV/50 Hz
- Temperature range:**
laying temperature: min. -5 °C
operating temperature
– fixed: -30 °C to +70 °C
– in motion: -5 °C to +50 °C
- Bending radius (min.):**
7.5 x Ø of cable
- Core identification:**
DIN VDE 0815
- Fire properties:**
flame retardant:
EN 60332-1-2
- Certificate:**
VDE Germany, GOST-R Russia

ELECTRICAL PARAMETERS

Conductor diameter	(mm)	0.8
Loop resistance, max. at 20 °C	(Ω/km)	73.2
Insulation resistance, min. at 20 °C	(MΩ.km)	100
Mutual capacitance, max. at 800 Hz	(nF/km)	100
Capacitance unbalance K, max. at 800 Hz	(pF/100 m)	200

Number of pairs x nominal diameter (mm)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
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2 x 2 x 0.8	7.0	60	500 D, 1,000 D
4 x 2 x 0.8	9.0	100	500 D, 1,000 D
8 x 2 x 0.8	11.5	165	500 D, 1,000 D
12 x 2 x 0.8	14.0	245	500 D, 1,000 D
16 x 2 x 0.8	15.5	305	500 D, 1,000 D
20 x 2 x 0.8	16.0	360	500 D, 1,000 D
24 x 2 x 0.8	17.0	440	500 D, 1,000 D
32 x 2 x 0.8	21.0	560	500 D, 1,000 D
40 x 2 x 0.8	23.0	675	500 D, 1,000 D
80 x 2 x 0.8	31.0	1,300	500 D, 1,000 D

Subject to technical changes.