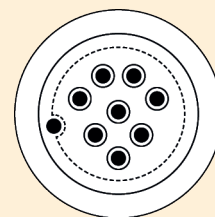


# JE-Y(ST)Y Bd Si

## Cable for industrial electronics

RoHS

### CROSS SECTION



Acc. to VDE 0815

## APPLICATION

Installation cables for industrial electronics with a static shield are used for telephone and information systems in environments subject to interference, as well as in the case of increased requirements regarding the transmission of signals and measured values in control systems. They are suitable for installation in dry and damp operating sites within buildings, on and under plastered surfaces, as well as for fixed laying outdoors and on buildings' external walls.

### SPECIAL FEATURES

**Sheath colour**  
Grey  
Blue (RAL 5051) on request

## STRUCTURE

Conductor	Copper conductor, bare, solid, design structure according to DIN VDE 0815 part 4, pairs stranded to a bundle, overlapping plastic wrapping
Cores	PVC insulation according to VDE 0207 part 4 Colour coding according to VDE 0815
Drain wire	Copper drain wire under metal foil, bare 0.8 mm
Shield	Plastic-laminated metal foil
Outer sheath	PVC according to VDE 0207 part 5

## TECHNICAL DATA

Nominal voltage	225 V
Test voltage	A/A 500 V A/S 2000 V
Loop resistance	73.2 Ohm/km
Insulation resistance	100 MOhm x km
Cable attenuation	Approx. 1.1 dB/km
Operating capacity	At 800 Hz 100 nF/km
Operating temperature	30°C to + 70°C
Max. operating temperature	+ 70°C
Capacitive coupling	At 800 Hz max. 200 pF/100 m
Min. installation temperature	- 50°C
Max. installation temperature	+ 50°C
Min. bending radius	Repeated bending under tension: 7.5 x cable diameter

### TESTS ACCORDING TO DIN VDE 0472 AND IEC:

Flammability	Test method B according to VDE 0472 part 804 and IEC 332-1
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Product description			Cu weight	Outer Ø (mm)	Weight (kg/km)	Fire load (KWh/m)	Product number
JE-Y(ST)Y	2x2x0.8 BD SI	Grey	25.0	6.5	55	0.25	5130001
JE-Y(ST)Y	4x2x0.8 BD SI	Grey	45.0	8.5	88	0.38	5130002
JE-Y(ST)Y	8x2x0.8 BD SI	Grey	85.0	10.5	144	0.56	5130003
JE-Y(ST)Y	12x2x0.8 BD SI	Grey	126.0	12.0	199	0.81	5130004
JE-Y(ST)Y	16x2x0.8 BD SI	Grey	166.0	13.5	264	1.00	5130005
JE-Y(ST)Y	20x2x0.8 BD SI	Grey	206.0	15.0	318	1.13	5130006
JE-Y(ST)Y	24x2x0.8 BD SI	Grey	244.0	16.5	374	0.86	5130011
JE-Y(ST)Y	32x2x0.8 BD SI	Grey	327.0	19.0	498	1.75	5130007
JE-Y(ST)Y	40x2x0.8 BD SI	Grey	407.0	21.0	605	2.08	5130008
JE-Y(ST)Y	80x2x0.8 BD SI	Grey	809.0	29.0	1194	3.92	5130009
JE-Y(ST)Y	100x2x0.8 BD SI	Grey	1015.0	32.0	1456	4.94	5130010