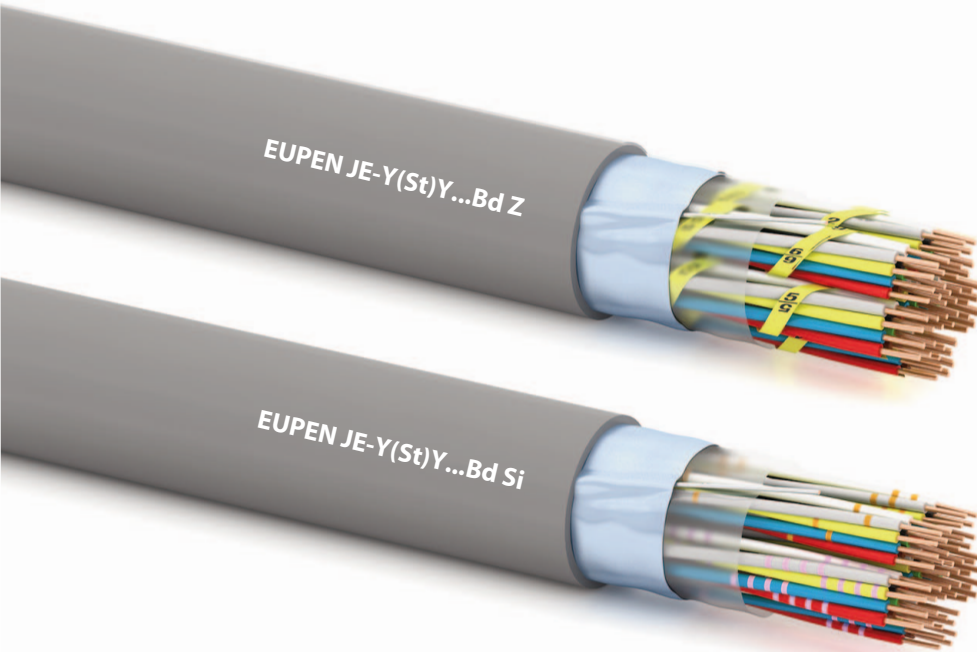


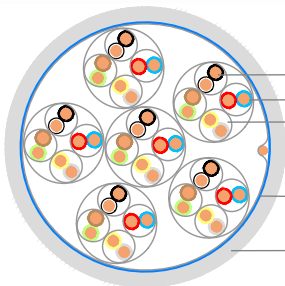
JE-Y(St)Y...Bd

1/2

PVC insulated, overall screened, unarmoured, PVC sheathed control cable acc. to VDE 0815



Construction



1. Conductors: bare solid copper
2. Insulation: PVC
3. Cabling elements: pairs, color coding see pair identification
Cabling elements assembled in bundles of 4 pairs (Bd)
Bundles assembled in concentric layers
4. Overall screening: laminated Alu/PET tape (9µm Alu/12µm PET) in contact with a tinned copper drain wire 0,8 mm²
5. Outer sheath: PVC
Outer sheath color: Grey or blue or according to customer specification

Pair identification

- Pair 1: 
- Pair 2: 
- Pair 3: 
- Pair 4: 

Electrical Properties

Voltage rating (V)	225
Conductor cross section (mm ²)	0,8
Conductor resistance in loop @ 20 °C (Ω/km)	73,2
Capacitance core/core (nF/km)	≤100 (+20% for cables up to 4 pairs)
Capacitance unbalance between pairs @ 800 Hz. (pF/100m)	≤200 (20% for measured values or min. one value may be <400)
Test voltage core/core (V _{ac})	500
Test voltage core/screen (V _{ac})	2000
Insulation resistance @ 20 °C (MΩ*km)	≥100

All information given is indicative only and not binding and can be subject to change without notice.

JE-Y(St)Y...Bd

Application conditions

Operating temperature	-30 °C to +70 °C
Laying temperature	-5 °C to +50 °C
Min. bending radius	7,5 x outer diameter

Fire behaviour

Fire propagation	IEC 60332-1
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Application

Transmission of analog and digital signals for indoor and outdoor applications.
 Also available in halogen-free version JE-H(St)H.

Number of pairs and size mm	Thickness of the outer sheath mm	Overall diameter approx. mm	Weight of cable approx. kg/km
1 x 4 x 0,8	1,0	6,0	50
4 x 2 x 0,8	1,0	8,5	90
8 x 2 x 0,8	1,0	12,0	200
12 x 2 x 0,8	1,2	12,5	270
20 x 2 x 0,8	1,2	15,5	400
32 x 2 x 0,8	1,4	19,0	610
40 x 2 x 0,8	1,4	20,5	740

Possible identification of individual bundles:

- Bd Z:** each bundle is wrapped with a numbered yellow tape
- Bd Si "SIMATIC":** the cores must be indelibly marked with colored rings (see hereafter)

bundle number	ring color	ring group	wrapped tape color
1	pink	I	-
2		II	
3		III	
4		IIII	
5	orange	I	-
6		II	
7		III	
8		IIII	
9	violet	I	-
10		II	
11		III	
12		IIII	
13	pink	I	blue
14		II	
15		III	
16		IIII	
17	orange	I	red
18		II	
19		III	
20		IIII	

