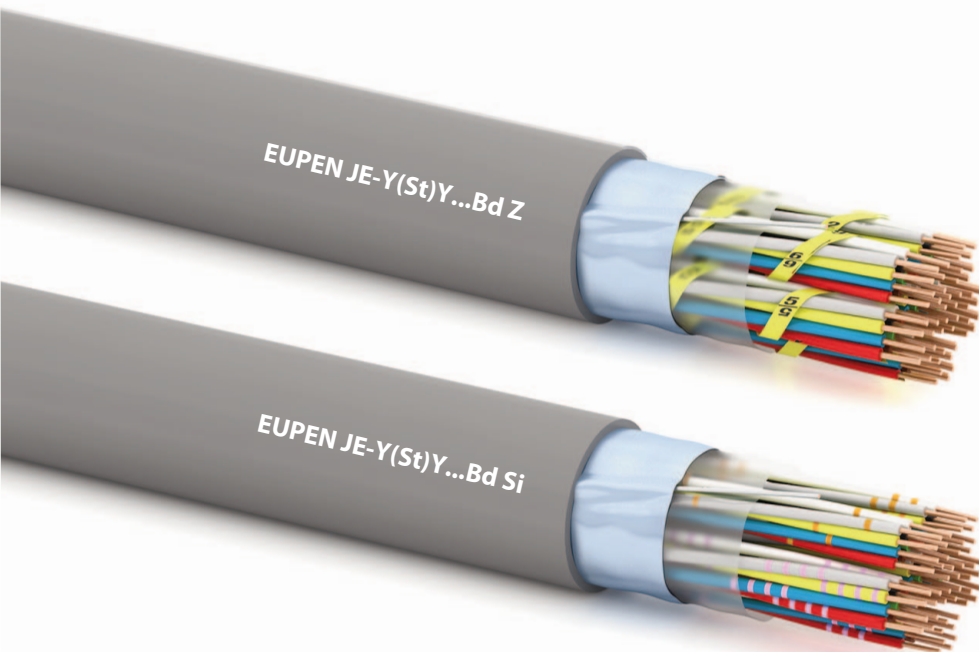
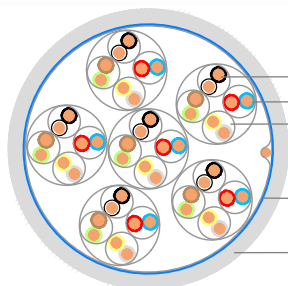


JE-Y(St)Y...Bd

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

2/2

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 |
|------------------|-------------|

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 | |

