

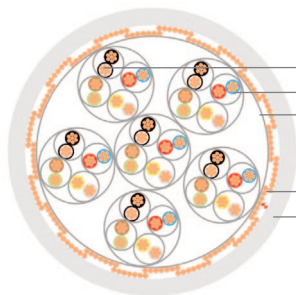
JE-LiYCY...Bd

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PVC insulated, tinned or bare copper braid screened, unarmoured, PVC sheathed instrumentation cable acc. to VDE 0815



Construction



1. Conductors: bare stranded 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: tinned or bare copper wire braid
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)	0,5
Conductor resistance in loop @ 20 °C (Ω/km)	78,4
Capacitance core/core (nF/km)	≤100 (+20% for cables up to 4 pairs)
Capacitance unbalance between pairs @ 800 Hz. (pF/100m)	≤200 (20% of 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.

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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-LiHCH.

Number of pairs and size mm ²	Thickness of the outer sheath mm	Overall diameter approx. mm	Weight of cable approx. kg/km
1 x 4 x 0,5	1,0	7,5	80
4 x 2 x 0,5	1,0	10,5	130
8 x 2 x 0,5	1,0	12,0	200
12 x 2 x 0,5	1,2	14,0	285
16 x 2 x 0,5	1,2	15,5	350
20 x 2 x 0,5	1,2	17,0	435
24 x 2 x 0,5	1,4	19,5	490
32 x 2 x 0,5	1,4	21,0	615
40 x 2 x 0,5	1,4	23,0	795

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	

