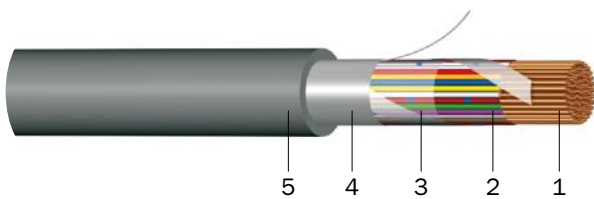


J–H(St)H...Bd

Installation cable, screened
Standard: DIN VDE 0815








Usage:

For use in telecommunications installations. Suitable for interior applications in dry and damp premises, as well on or under plaster. Not suitable for power installation purposes and for direct burial. Since they are free from halogens and exhibit enhanced fire performance, these cables are used in those applications where in the event of fire, the negative effects on concentrations of people and valuable material goods must be minimised.



Construction:

- 1 Copper conductor, round solid (RE)
- 2 Core insulation (halogen-free polymer compound), conductors pair stranded, pairs stranded into groups
- 3 Inner covering (halogen-free plastic tape)
- 4 Screen (plastic laminated aluminium tape with drain wire)
- 5 Sheath (halogen-free polymere compound, grey)

	Rated voltage:	max. 300 Vss
	Test voltage:	core/core 800 Veff core/screen 800 Veff
	Temperature range:	laying temperature: min. –5 °C operating temperature: –30 °C to +70 °C conductor temperature: +70 °C
	Bending radius (min.):	7.5 x Ø of cable
	Core identification:	coloured (VDE 0815; BdSi, BdZ)
	Fire properties:	flame retardant (EN 50265-2-1, IEC 60332-1) halogen-free, no corrosive combustion gases (EN 50267-2-2, IEC 60754-2) reduced fire propagation (IEC 60332-3 Cat. A, EN 50266-2-2, DIN VDE 0472-804) minimum smoke emission (EN 50268-2, IEC 61034)
	Test certificate:	VDE Germany

Electrical parameters

Parameter	Unit	0.6	0.8
Conductor diameter	(mm)	0.6	0.8
Loop resistance, max.	(Ω/km)	130	73.2
Insulation resistance, min.	(MΩ.km)	100	100
Mutual capacitance, max. at 800 Hz (until 4 pairs)	(nF/km)	144	144
Mutual capacitance, max. at 800 Hz	(nF/km)	120	120
Capacitance unbalance K_1 , max. at 800 Hz (100 % of values)	(pF/100 m)	500	500
Capacitance unbalance K_1 , max. at 800 Hz (80 % of values)	(pF/100 m)	300	300
Capacitance unbalance K_9-K_{12} , max. at 800 Hz (100 % of values)	(pF/100 m)	300	300
Capacitance unbalance K_9-K_{12} , max. at 800 Hz (80 % of values)	(pF/100 m)	100	100

Number of pairs x nominal diameter (mm)	Outer diameter (mm) ca.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lengths/packing (m)
J–H(St)H...Bd				
2 x 2 x 0.6	6.5	13	55	500 T, 1000 T
4 x 2 x 0.6	9.0	24	88	500 T, 1000 T
6 x 2 x 0.6	9.5	36	104	500 T, 1000 T

J–H(St)H...Bd

Number of pairs x nominal diameter (mm)	Outer diameter (mm) ca.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lengths/ packing (m)
J–H(St)H...Bd				
10 x 2 x 0.6	11.0	59	143	500 T, 1000 T
20 x 2 x 0.6	13.0	116	216	500 T, 1000 T
30 x 2 x 0.6	15.5	172	312	500 T, 1000 T
40 x 2 x 0.6	17.0	228	378	500 T, 1000 T
50 x 2 x 0.6	19.0	285	474	500 T, 1000 T
60 x 2 x 0.6	21.0	342	571	500 T, 1000 T
80 x 2 x 0.6	24.0	455	680	500 T, 1000 T
100 x 2 x 0.6	26.5	568	887	500 T, 1000 T
2 x 2 x 0.8	7.5	21	70	500 T, 1000 T
4 x 2 x 0.8	11.0	41	124	500 T, 1000 T
6 x 2 x 0.8	11.5	62	152	500 T, 1000 T
10 x 2 x 0.8	13.5	103	214	500 T, 1000 T
20 x 2 x 0.8	16.0	203	336	500 T, 1000 T
30 x 2 x 0.8	19.5	304	490	500 T, 1000 T
40 x 2 x 0.8	22.0	404	625	500 T, 1000 T
50 x 2 x 0.8	25.0	505	788	500 T, 1000 T
60 x 2 x 0.8	27.0	606	924	500 T, 1000 T
80 x 2 x 0.8	30.5	807	1,218	500 T, 1000 T
100 x 2 x 0.8	34.0	1,008	1,500	500 T, 1000 T

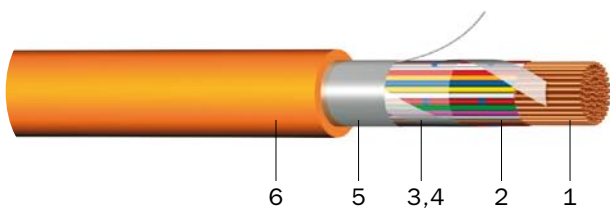
Subject to technical changes.

JE-H(St)H...Bd FE180/E30 / JE-H(St)H...Bd FE180/E90

Control cable for industrial electronics
Standard: adapted to DIN VDE 0815








Usage:

For use in control and regulating systems and related installations. Suitable for interior applications in dry and damp premises, as well on or under plaster. Not suitable for power installation purposes and for direct burial. Since they are free from halogens and exhibit enhanced fire performance, these cables are used in those applications where in the event of fire, the negative effects on concentrations of people and valuable material goods must be minimised.



Construction:

- 1 Copper conductor, round solid (RE) with conductor taping (mica tape, only E90)
- 2 Core insulation (halogen-free polymer compound), conductors pair stranded, pairs stranded into groups
- 3 Inner covering (halogen-free plastic tape)
- 4 Inner covering (halogen-free glass fabric tape)
- 5 Screen (plastic laminated aluminium tape with drain wire)
- 6 Sheath (halogen-free polymere compound, orange)

-  **Rated voltage:** max. 225 Vss
-  **Test voltage:** core/core 500 Veff
core/screen 2000 Veff
-  **Temperature range:**
laying temperature: min. -5 °C
operating temperature: -30 °C to +70 °C
conductor temperature: +70 °C
-  **Bending radius (min.):** 7.5 x Ø of wire
-  **Core identification:** coloured (VDE 0815; BdSi, BdZ)
-  **Fire properties:**
flame retardant (EN 50265-2-1, IEC 60332-1)
halogen-free, no corrosive combustion gases (EN 50267-2-2, IEC 60754-2)
reduced fire propagation (IEC 60332-3 Cat. A, EN 50266-2-2, DIN VDE 0472-804)
minimum smoke emission (EN 50268-2, IEC 61034)
insulation integrity FE180 (IEC 60331, DIN VDE 0472-814)
functional integrity E30 resp. E90 (DIN VDE 4102-12)
-  **Test certificate:** VDE Germany

Electrical parameters		
Conductor diameter	(mm)	0.8
Loop resistance, max.	(Ω/km)	73.2
Insulation resistance, min.	(MΩ.km)	100
Mutual capacitance, max. at 800 Hz (until 4 pairs)	(nF/km)	144
Mutual capacitance, max. at 800 Hz	(nF/km)	120
Capacitance unbalance K ₁ , max. at 800 Hz (100 % of values)	(pF/100 m)	400
Capacitance unbalance K ₁ , max. at 800 Hz (80 % of values)	(pF/100 m)	200

Number of pairs x nominal diameter (mm)	Outer diameter (mm) ca.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lengths/ packing (m)
JE-H(St)H...Bd FE180/E30				
2 x 2 x 0.8	7.5	25	65	500 T, 1000 T
4 x 2 x 0.8	9.5	45	104	500 T, 1000 T
8 x 2 x 0.8	11.5	85	165	500 T, 1000 T

JE–H(St)H...Bd FE180/E30 / JE–H(St)H...Bd FE180/E90

Number of pairs x nominal diameter (mm)	Outer diameter (mm) ca.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lengths/ packing (m)
JE–H(St)H...Bd FE180/E30				
12 x 2 x 0.8	13.0	126	235	500 T, 1000 T
16 x 2 x 0.8	15.0	166	300	500 T, 1000 T
20 x 2 x 0.8	16.5	206	361	500 T, 1000 T
JE–H(St)H...Bd FE180/E90				
2 x 2 x 0.8	8.5	25	83	500 T, 1000 T
4 x 2 x 0.8	11.5	45	138	500 T, 1000 T
8 x 2 x 0.8	15.0	85	243	500 T, 1000 T
12 x 2 x 0.8	18.5	126	351	500 T, 1000 T
16 x 2 x 0.8	20.5	166	441	500 T, 1000 T
20 x 2 x 0.8	24.0	206	557	500 T, 1000 T

Subject to technical changes.