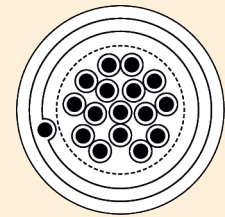
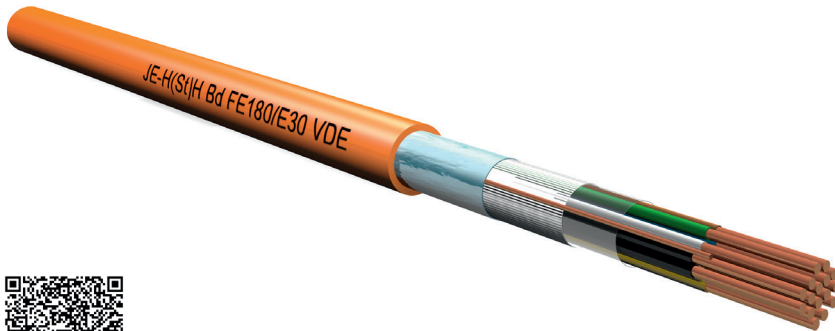


JE-H(St)H Bd FE180/E30

Fire resistant cable

RoHS

CROSS SECTION



Acc. to DIN VDE 0815

APPLICATION

As an installation cable for telecommunication purposes for fixed laying in fire risk areas where particular protection against fire and fire damage is required for people and property and a system's functional integrity must be maintained for 30 minutes. The cable has an insulation integrity of at least 180 minutes.

The functional integrity is guaranteed under a test voltage of 110 V. The cable should be laid within buildings. When using a tube, the cables can also be laid outdoors or underground. During installation, the general test certificates issued by the cable and carrier system manufacturer must be observed. Also suitable for use as a fire alarm cable with a red outer sheath.

STRUCTURE

Conductor	Copper conductor, bare, solid, based on VDE 0815, cores into 4 pairs, 4 pairs stranded into bundles, bundles stranded into layers, bundles labelled using numbers. Insulation integrity under exposure to fire > 180 min. Functional integrity according to DIN 4102
Cores	Halogen-free elastomer compound, according to VDE 0815
Drain wire	Copper drain wire
Shield	Static shield made from plastic-laminated metal foil with copper drain wire
Outer sheath	Halogen-free polymer compound

TECHNICAL DATA

Nominal voltage	225 V
Test voltage	800 V
Loop resistance	73.2 Ohm/km
Insulation resistance	> 100 MOhm x km
Operating capacity	120 nF/km at 800 Hz
Operating temperature	+30°C to +70°C
Max. operating temperature	+70°C
Capacitive coupling	Max. 200pF/100 m at 800 Hz
Min. installation temperature	-5°C
Max. installation temperature	+50°C
Flame retardancy	Test method C acc. to VDE 0472 part 804 and IEC 332-2
Min. bending radius	With fixed installation, 6 x cable diameter
TESTS ACCORDING TO DIN VDE 0472 AND IEC:	
Smoke density	According to VDE 0472 part 816
Halogen-free nature	Corrosiveness of combustion gases according to VDE 0472 part 813 and IEC 754-1

SPECIAL FEATURES

Properties
 Flame retardant
 Halogen free
 Minimal smoke density

Sheath colour
 Orange, red

Product description				Cu weight	Outer Ø (mm)	Weight (kg/km)	Fire load (MJ/km)	Product number
JE-H(St)H Bd	1x2x0.8	Red	FE 180/E30	15.0	7.5	60	710	2121000
JE-H(St)H Bd	2x2x0.8	Red	FE 180/E30	25.0	9.0	100	702	2121001
JE-H(St)H Bd	4x2x0.8	Red	FE 180/E30	45.0	12.5	160	1054	2121002
JE-H(St)H Bd	8x2x0.8	Red	FE 180/E30	85.0	15.0	260	1508	2121003
JE-H(St)H Bd	12x2x0.8	Red	FE 180/E30	126.0	18.0	340	2116	2121004
JE-H(St)H Bd	16x2x0.8	Red	FE 180/E30	166.0	20.0	400	2644	2121005
JE-H(St)H Bd	20x2x0.8	Red	FE 180/E30	206.0	22.0	500	3109	2121006
JE-H(St)H Bd	32x2x0.8	Red	FE 180/E30	327.0	27.0	700	4661	2121007
JE-H(St)H Bd	40x2x0.8	Red	FE 180/E30	407.0	28.5	850	5495	2121008
JE-H(St)H Bd	52x2x0.8	Red	FE 180/E30	528.0	32.5	1200	7108	2121010
JE-H(St)H Bd	1x2x0.8	Orange	FE 180/E30	15.0	7.5	60	710	2122000
JE-H(St)H Bd	2x2x0.8	Orange	FE 180/E30	25.0	9.0	100	702	2122001
JE-H(St)H Bd	4x2x0.8	Orange	FE 180/E30	45.0	12.5	160	1054	2122002
JE-H(St)H Bd	8x2x0.8	Orange	FE 180/E30	85.0	15.0	260	1508	2122003
JE-H(St)H Bd	12x2x0.8	Orange	FE 180/E30	126.0	18.0	340	2116	2122004
JE-H(St)H Bd	16x2x0.8	Orange	FE 180/E30	166.0	20.0	400	2644	2122005
JE-H(St)H Bd	20x2x0.8	Orange	FE 180/E30	206.0	22.0	500	3109	2122006
JE-H(St)H Bd	32x2x0.8	Orange	FE 180/E30	327.0	27.0	700	4661	2122007
JE-H(St)H Bd	40x2x0.8	Orange	FE 180/E30	407.0	28.5	850	5425	2122008
JE-H(St)H Bd	52x2x0.8	Orange	FE 180/E30	528.0	32.5	1200	7108	2122010