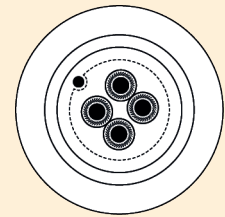
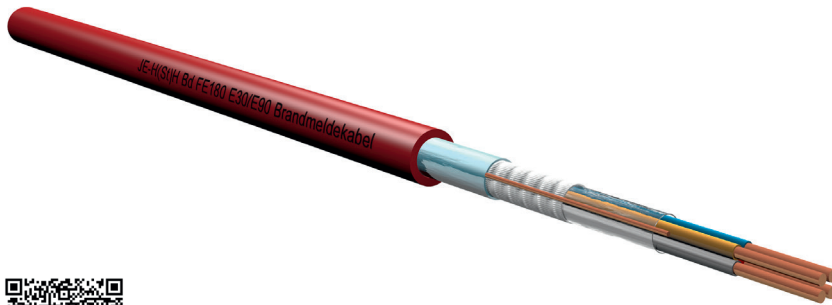


JE-H(St)H Bd FE180 E30/E90

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 or 90 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 DIN 4102, halogen-free dual insulation made from special mica tape and insulation material HI 2, cores stranded into pairs, 4 pairs stranded into bundles, bundles labelled using colour-coded plastic tape covering, core wrapping made from plastic-laminated aluminium foil with drain wire. Wrapped with protective foil.
Cores	Polymer compound insulation
Drain wire	Copper drain wire
Shield	Plastic-laminated metal foil with drain wire
Outer sheath	Polymer compound

TECHNICAL DATA

Nominal voltage	225 V
Test voltage	800 V
Loop resistance	73.2 Ohm/gm
Insulation resistance	100 MOhm x km
Operating capacity	120 nF/km
Operating temperature	-30°C bis +70°C
Max. operating temperature	+70°C
Capacitive coupling	For 100 m max. 300pF
Min. installation temperature	-5°C
Max. installation temperature	+50°C
Flame retardancy	Halogen-free, flame-retardant HM2 sheath
Min. bending radius	15 x cable diameter
Smoke density	HD 606 and IEC 601034-1, 601034-2 and BS 7622 part 1+2

SPECIAL FEATURES

- Properties**
Halogen free
- Sheath colour**
Red, imprinted with the text 'Brandmeldekabel' or orange

Product description				Cu weight	Outer Ø (mm)	Weight (kg/km)	Fire load (kWh/m)	Product number
JE-H(St)H Bd	2x2x0.8	Red	FE180 E30/E90	25.0	7.5	74	0.19	2125001
JE-H(St)H Bd	4x2x0.8	Red	FE180 E30/E90	45.0	10.9	127	0.33	2125002
JE-H(St)H Bd	8x2x0.8	Red	FE180 E30/E90	85.0	14.5	232	0.56	2125003
JE-H(St)H Bd	12x2x0.8	Red	FE180 E30/E90	126.0	17.1	318	0.77	2125004
JE-H(St)H Bd	16x2x0.8	Red	FE180 E30/E90	166.0	19.6	430	1.08	2125005
JE-H(St)H Bd	20x2x0.8	Red	FE180 E30/E90	206.0	21.5	514	1.25	2125006
JE-H(St)H Bd	32x2x0.8	Red	FE180 E30/E90	327.0	27.0	730	1.89	2125007
JE-H(St)H Bd	40x2x0.8	Red	FE180 E30/E90	407.0	28.9	962	2.30	2125008
JE-H(St)H Bd	52x2x0.8	Red	FE180 E30/E90	527.0	33.2	1.200	2.80	2125009
JE-H(St)H Bd	2x2x0.8	Orange	FE180 E30/E90	25.0	7.5	74	0.19	2126001
JE-H(St)H Bd	4x2x0.8	Orange	FE180 E30/E90	45.0	10.9	127	0.33	2126002
JE-H(St)H Bd	8x2x0.8	Orange	FE180 E30/E90	85.0	14.5	232	0.56	2126003
JE-H(St)H Bd	12x2x0.8	Orange	FE180 E30/E90	126.0	17.1	318	0.77	2126004
JE-H(St)H Bd	16x2x0.8	Orange	FE180 E30/E90	166.0	19.6	430	1.08	2126005
JE-H(St)H Bd	20x2x0.8	Orange	FE180 E30/E90	206.0	21.5	514	1.25	2126006
JE-H(St)H Bd	32x2x0.8	Orange	FE180 E30/E90	327.0	27.0	730	1.89	2126007
JE-H(St)H Bd	40x2x0.8	Orange	FE180 E30/E90	407.0	29.8	962	2.30	2126008
JE-H(St)H Bd	52x2x0.8	Orange	FE180 E30/E90	527.0	33.2	1200	2.80	2126009