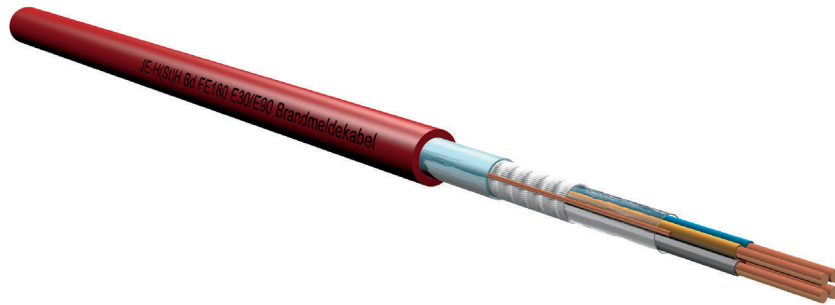


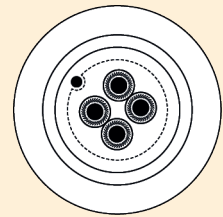
JE-H(St)H Bd FE180 E30/E90

RoHS

Fire resistant cable



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

SPECIAL FEATURES

Properties
Halogen free

Sheath colour
Red, imprinted with the text 'Brandmeldekabel' or orange

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

sterk in kabels

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

