

# Communication cable with circuit integrity JE-H(St)H FE180/ E30-E90 BMK acc. to VDE 0815



<b>conductor material:</b>	bare copper
<b>insulation:</b>	FRNC compound HI1
<b>sheathing material:</b>	FRNC-compound HM2
<b>colour of outer sheath:</b>	red
<b>flame retardant:</b>	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
<b>smoke density:</b>	DIN EN 61034/IEC 61034
<b>halogen free:</b>	DIN EN 50267/IEC 60754
<b>fire resistance:</b>	FE 180 (IEC 60331)
<b>circuit integrity:</b>	E30-E90
<b>max. operating temperature,</b>	-5 - +50 °C
<b>fixed:</b>	
<b>bending radius, fixed</b>	7,5 x DA
<b>installation:</b>	

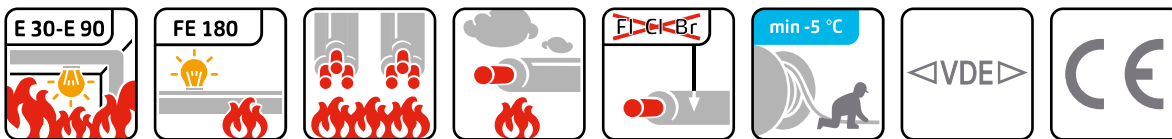
**core identification:** colours + rings

**Application:** For signal transmission between electronic devices, in computer systems of process control units in fire-endangered areas with high person or real value concentration, for installation of circuits with circuit integrity E30/E90 according to DIN 4102 part 12, with tested cable systems. For fixed installation in dry and damp areas on certified carrier systems. By the special sheath printing this cable is particularly designed for the use in fire signalisation systems.

**Additional information:** Stranding: cores twisted into pairs, 4 pairs layed up into sub-units (2-pairs cable stranded as one star-quad), sub-units layed up in layers

Core identification: The basic colour of each bunch are in continuous sequence: blue, red, grey, yellow, green, brown, white, black

The bundles are identified by the colour of the rings on the insulation.



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Table: Technical characteristics JE-H(St)H FE180/E30-E90 BMK

p/n	part name	D <sub>A</sub> [mm]	G [kg/km]	Cu [kg/km]
100283	JE-H(St)H...Bd...E30-E90 02X2X0,8 fire signalisation cable RT	7,4	76	25
100284	JE-H(St)H...Bd...E30-E90 04X2X0,8 fire signalisation cable RT	11,1	130	45
100285	JE-H(St)H...Bd...E30-E90 08X2X0,8 fire signalisation cable RT	15,6	232	85
100286	JE-H(St)H...Bd...E30-E90 12X2X0,8 fire signalisation cable RT	18,1	318	126
100287	JE-H(St)H...Bd...E30-E90 16X2X0,8 fire signalisation cable RT	19,8	430	166
100288	JE-H(St)H...Bd...E30-E90 20X2X0,8 fire signalisation cable RT	22,5	514	206

p/n	part name	D <sub>A</sub> [mm]	G [kg/km]	Cu [kg/km]
100289	JE-H(St)H...Bd...E30-E90 32X2X0,8 fire signalisation cable RT	27,7	730	326
100290	JE-H(St)H...Bd...E30-E90 40X2X0,8 fire signalisation cable RT	30,8	962	407

p/n	part name	D <sub>A</sub> [mm]	G [kg/km]	Cu [kg/km]
100291	JE-H(St)H...Bd...E30-E90 52X2X0,8 fire signalisation cable RT	34,7	1200	529

DA	outer diameter
G	weight
Cu	copper weight (ger)