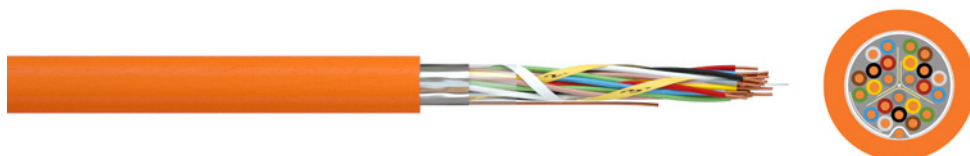


# Communication cable with circuit integrity

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



**Application:** For signal transmission within systems for measuring-, control-, data- and regulation technology and for use as an installation cable in fire hazard rooms with a high concentration of people or material assets and for installation of fire survival cable systems according to DIN 4102 part 12. For fixed installation in dry and wet rooms.

### Construction and technical data:

<b>Standard:</b>	VDE 0815
<b>Conductor material:</b>	copper, bare
<b>Conductor construction:</b>	Class 1 = solid
<b>Insulation:</b>	FRNC-compound HI1
<b>Screen:</b>	Foil
<b>Sheathing material:</b>	FRNC-compound HM2
<b>Colour of outer sheath:</b>	orange
<b>Flame-retardant:</b>	VDE 0482-266-2-4/IEC 60332-3-24 (Cat. C)
<b>Smoke density:</b>	DIN EN 61034/IEC 61034
<b>Halogen-free:</b>	DIN EN 50267/IEC 60754
<b>Fire-resistant:</b>	VDE 0472-814/IEC 60331-11 (FE 180)
<b>Circuit integrity:</b>	E30
<b>Permitted outer cable temperature, fixed, °C:</b>	-5 - +50 °C
<b>Bending radius, fixed installation:</b>	7.5 x Ø
<b>Insulation resistance:</b>	100 MOhm <sub>x</sub> km



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.

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<b>Core identification:</b>	colours acc. to VDE 0815
<b>peak operating voltage, V:</b>	225 V

part no.	part name	DI [mm]	Ø [mm]	Cu	G [kg]
100418	02X2X0.8	0.8	7.5	25	76
100419	04X2X0.8	0.8	9.3	45	130

part no.	part name	DI [mm]	Ø [mm]	Cu	G [kg]
100420	08X2X0.8	0.8	11.4	85	232
100421	12X2X0.8	0.8	13.5	126	318
100422	16X2X0.8	0.8	15	166	430
100423	20X2X0.8	0.8	16.5	206	514
100424	32X2X0.8	0.8	19.5	326	730
100425	40X2X0.8	0.8	22.5	407	962
100426	52X2X0.8	0.8	25.2	529	1200

DI	diameter conductor
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000