

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



Conductor material:	bare copper
Conductor class:	class 1 = solid
Insulation:	FRNC-compound HI1
Sheathing material:	FRNC-compound HM2
Flame-retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Kat. C)
Smoke density:	DIN EN 61034/IEC 61034
Halogen-free:	DIN EN 50267/IEC 60754
Fire-resistant:	FE 180
Circuit integrity:	E30-E90
Permitted outer cable temperature, fixed:	-5 - +50 °C
Bending radius, fixed installation:	7,5 x DA

Core identification: colours + rings

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 and material assets and for installation of fire survival cable systems according to DIN 4102 part 12. For fixed installation in dry and wet rooms.

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 continuous sequence: blue, red, grey, yellow, green, brown, white, black. The bundles are identified by the colour of the rings on the insulating core.



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

p/n	part name	D _A [mm]	Cu [kg/km]	G [kg/km]
101620	01X2X0,8 OR	6,5	12	57
100275	02X2X0,8 OR	7,4	25	76
100276	04X2X0,8 OR	11,1	45	130
100277	08X2X0,8 OR	15,6	85	232
100292	12X2X0,8 OR	18,1	126	318
100278	16X2X0,8 OR	19,8	166	430
100279	20X2X0,8 OR	22,5	206	514
100280	32X2X0,8 OR	27,7	326	730
100281	40X2X0,8 OR	30,8	407	962
100282	52X2X0,8 OR	34,7	529	1200

DA	Outer diameter approx.
Cu	Copper weight (GER)
G	weight