

SAFETY CABLES WITH CIRCUIT INTEGRITY

JE-H(St)H...Bd FE180/ E30-E90 RAL3020

SiR/FRNC halogen-free installation cable with
insulation integrity and circuit integrity,
screened



TECHNICAL DATA



Standard
adapted to DIN VDE 0815



Certificate
VDE Germany



Test Voltage
core/core 500 V / 50 Hz
core/screen 2000 V / 50 Hz



Rated Voltage
max. 225 Vss



Bending radius (min.)
7,5 x Ø of cable



Fire properties
EN 60332-1-2: self-extinguishing
EN 60754-2: halogen-free, non-corrosive
combustion gases
EN 61034-2: low smoke emission
EN 60332-3-22: reduced flame propagation
IEC 60331-23: insulation integrity FE180
DIN 4102-12: circuit integrity E30-E90



Core identification
DIN VDE 0815



Temperature range
Laying temperature: min. -5°C
Operating temperature: -30°C up to 70°C

DESIGN



1 Copper conductor, round solid (RE)



2 Core insulation (silicone rubber), cores pair stranded,
marking with green thread



3 Inner covering (plastic tape)



4 Screen (plastic laminated aluminium tape with drain wire)



5 Sheath (halogen-free polymer compound, red)

Electrical Parameters

Conductor diameter	mm	0.8
Loop resistance max.	Ω/km	73.2
Mutual capacitance (approx. value), at 800 Hz	nF/km	120
Mutual capacitance, max.	nF/km	144
Capacitance unbalance, max. k	pF/500m	400
Insulation resistance, min. at 20 °C	MΩ/km	100

Number of pairs x nominal diameter	Outer diameter appr. (mm)	Total weight appr. (kg/km)
1 x 2 x 0.8	7.3	63
2 x 2 x 0.8	8.1	86
4 x 2 x 0.8	11.3	140
8 x 2 x 0.8	13.9	225
12 x 2 x 0.8	16.3	307
16 x 2 x 0.8	18.3	386
20 x 2 x 0.8	20.5	482
32 x 2 x 0.8	25.3	734
52 x 2 x 0.8	31.0	1108

CONTACT PERSON

Ing. Štěpán Laštůvka
 Product Supervisor
 +420 732 912 682
stepan.lastuvka@prakab.com

