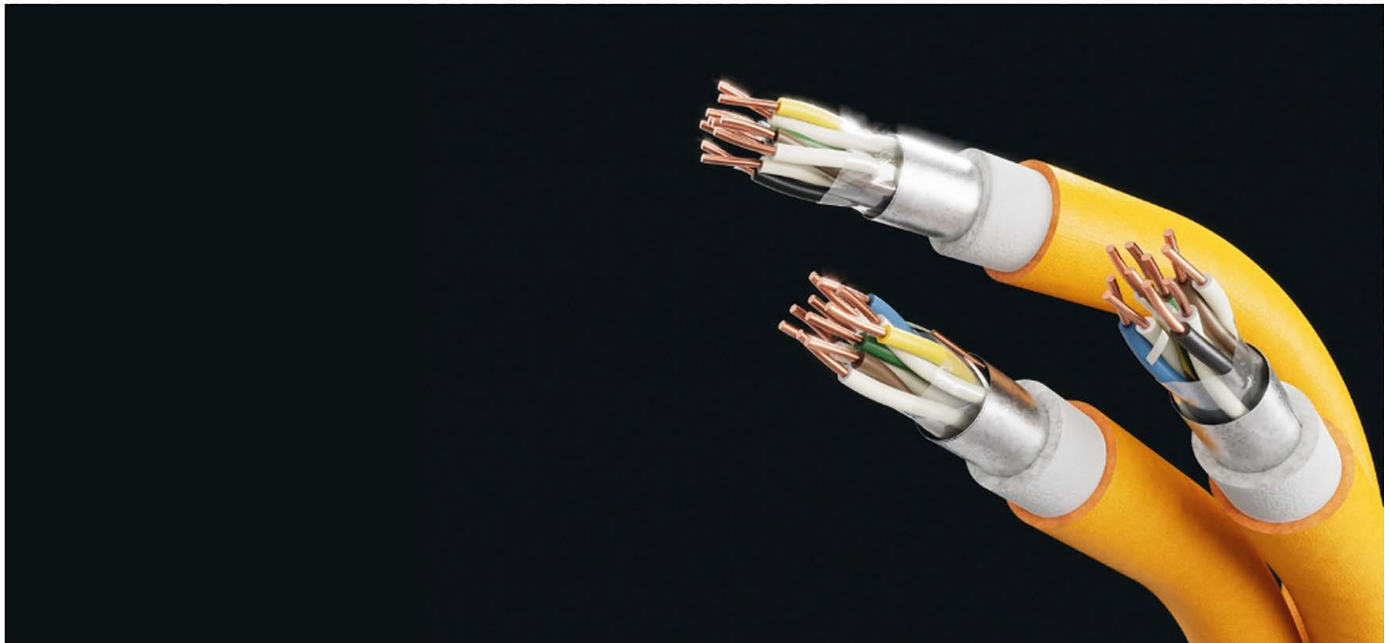


JE-H(St)H...Bd FE180/E90

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



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, orange or red)

APPLICATION

Measuring and control cable providing functional integrity in the event of fire. Not designed for laying in earth or water. Not UV and water resistant.

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 V ss



Bending radius (min.)

7,5 x ϕ 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
DIN 4102-12: circuit integrity



Core identification

DIN VDE 0815



Temperature range

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

DATA-SHEET**JE-H(St)H...Bd FE180/E90****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	400
Capacitance unbalance, max. k	pF/500m	-
Insulation resistance, min. at 20 °C	MΩ/km	100

PARAMETERS

Number of pairs x nominal diameter	Outer diameter (mm)	Total weight (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	1108

Technical changes reserved. All figures are therefore without guarantee.