

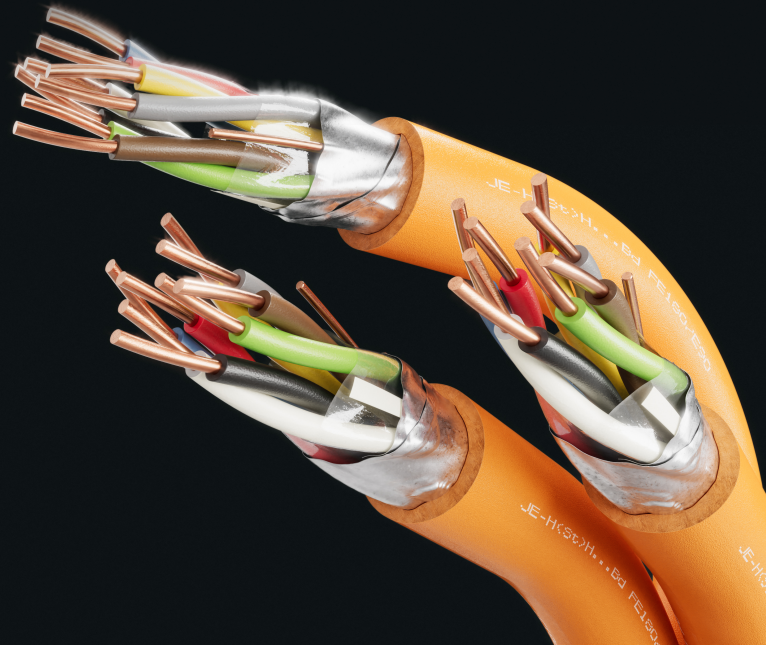


# JE-H(St)H...Bd FE180/E30

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

SAFETY CABLES WITH CIRCUIT INTEGRITY

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

|                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>Standard</b><br>adapted to DIN VDE 0815                                   |  <b>Bending radius (min.)</b><br>7,5 x Ø of cable                                                                                                                                                                                                                                       |  <b>Core identification</b><br>DIN VDE 0815                                                           |
|  <b>Certificate</b><br>VDE Germany                                            |  <b>Fire properties</b><br>EN 60332-1-2: self-extinguishing<br>EN 60754-2: halogen-free, non-corrosive combustion gases<br>EN 61034-2: low smoke emission<br>EN 60332-3-22: reduced flame propagation<br>IEC 60331-23: insulation integrity FE180<br>DIN 4102-12: circuit integrity E30 |  <b>Temperature range</b><br>Laying temperature: min. -5°C<br>Operating temperature: -30°C up to 70°C |
|  <b>Test Voltage</b><br>core/core 500 V / 50 Hz<br>core/screen 2000 V / 50 Hz |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                            |
|  <b>Rated Voltage</b><br>max. 225 Vss                                         |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                            |

## 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)

## Electrical parameters

|                                               |         |      |
|-----------------------------------------------|---------|------|
| Conductor diameter                            | mm      | 0.8  |
| Loop resistance max                           | Ω/km    | 73.2 |
| Mutual capacitance (approx. value), at 800 Hz | nF/km   | 144  |
| Mutual capacitance, max.                      | nF/km   | 120  |
| 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                        | 7.1                       | 62                         |
| 2 x 2 x 0.8                        | 7.9                       | 84                         |
| 4 x 2 x 0.8                        | 11.1                      | 138                        |
| 8 x 2 x 0.8                        | 13.7                      | 224                        |
| 12 x 2 x 0.8                       | 16.1                      | 305                        |
| 16 x 2 x 0.8                       | 18.1                      | 384                        |
| 20 x 2 x 0.8                       | 20.3                      | 480                        |
| 32 x 2 x 0.8                       | 25.1                      | 733                        |
| 52 x 2 x 0.8                       | 30.8                      | 1106                       |

## CONTACT PERSON

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