# JB-H(St)H E30




## Application

Security cables are ideal for use everywhere, where in case of fire human life and material assets are to be protected and safety conciousness take a special significance. The cables are suitable for fixed installation in dry and moist rooms, in, above, on and beneath plaster as well as in masonary walls in concrete. These cables are suitable for outdoor applications and in underground by using in conduits or tubes. For installation conduit all precautions must be taken that no accumulation of water can occur in the pipes.
The cables are halogen-free, have low smoke gas development, no fire propagation and insulation retention in the event of fire of 180 minutes in accordance with VDE 0472 Part 814. In addition, the cable has been tested for functional integrity in accordance with DIN 4102 Part 12 (E 30) for all standard carrying systems (Cable troughs and ladders, ceiling installation) and is therefore suitable for use in fire alarm systems, systems for alarming and issuing instructions to people, safety lighting and other backup lighting in accordance with VDE 0108.

## Standards

adapted to DIN VDE 0815 & FE 180: Insulation integrity to DIN
VDE 0472 part 814 IEC 60331 & E 30: Functionality to DIN 4102
part 12.

CE = The product is conformed with the EC Low-Voltage Directive 2014/35/EU.

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# Kabel und Leitungen E30/E90
# Halogen-Free Cables E30 / E90

## Construction

| | |
|---|---|
| **Inner Conductor** | bare copper conductor, solid 0,8 mm |
| **Core Insulation** | halogen-free, polymer HI 1 |
| **Core Color** | acc. to DIN VDE 0815 |
| **Stranding Elements** | cores twisted to pairs, 4 pairs consistbr>to unit, several units stranded to layersbr>units identified by numbered tapebr>core wrapping with special polyesterbr>and glass-fibre tape |
| **Inner Sheath Material** | Folienumwicklung |
| **Overall Shielding** | plastic coated alu-foil with drain wire |
| **Outer Insulation Material** | halogen-free, flame retardant to DIN VDE 0207 part 24 HM2 |

## Technical Data

| | |
|---|---|
| **Nominal Voltage** | $U_0$/U: 0 /0 V |
| **Nominal Volatage DC** | $U_0$/U: 0 /0 |
| **Test Voltage** | 500 V |
| **Bending Radius fixed (xD)** | 0 |
| **Operating Temperature solid** | -30 °C bis 0 °C |
| **Operating Temperature moving** | -5 °C bis 50 °C |

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# Kabel und Leitungen E30/E90
# Halogen-Free Cables E30 / E90

| Prod. Nr.<br>Prod. Nr. | Dimensions<br>Dimensions | Color<br>Color | Weight (kg/km) approx.<br>Weight (kg/km) approx. | Outer-Diameter (mm) approx.<br>Outer-Diameter (mm) approx. |
|---|---|---|---|---|
| 02503001 | 2x2 x 0,8 | red - red | 76,0 | 7,5 |
| 02503002 | 4x2 x 0,8 | red - red | 130,0 | 10,9 |
| 02503003 | 8x2 x 0,8 | red - red | 232,0 | 14,5 |
| 02503004 | 12x2 x 0,8 | red - red | 318,0 | 17,1 |
| 02503005 | 20x2 x 0,8 | red - red | 514,0 | 21,5 |
| 02503007 | 32x2 x 0,8 | red - red | 859,0 | 29,1 |

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