

## JB-H(St)H E30-E90



### aplikace

Statically shielded installation cable for telecommunication purposes. Static shielding prevents strong interference impulses. Suitable for permanent installation everywhere, where high concentration of valuable assets must prevent damage to people and materials in the event of fire, e.g. industrial plants, power stations, public facilities, hotels, airports, metro, hospitals.

Cables are halogen-free, have low smoke gas development, no fire propagation and insulation retention for 180 minutes in the event of fire in accordance with VDE 0472 T. 814. Cable has also passed functional durability test according to DIN 4102 part 12 (E 30, E 90) for all standard carrying systems (cable trays 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.

### norem

in accordance with DIN VDE 0266 VDE 0266:2000-03, DIN 4102-12:1998 -11, DIN EN IEC 60332-3-24 VDE 0482-332-3-24:2019-05, DIN EN 61034-1 VDE 0482-1034-1:2021 -02, DIN EN 60754-1 VDE 0482-754-1:2021 -02

CE = Výrobek vyhovuje směrnici ES o nízkém napětí 2014/35/EU.

### Application

Everywhere, where in case of fire human life and material assets are to be protected and safety consciousness take a special significance. Suitable for fixed installation in dry and moist rooms, in, above, on and beneath plaster as well as in masonry walls and in concrete. These cables are suitable for outdoor applications and in underground by using in conduits or tubes. Additionally valid also DIN VDE 0298 part 1 and 2. For the installation in 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 for 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 90) 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-E90: Functionality to DIN 4102 part 12.

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

#### nastavení

<b>vnitřní vodič</b>	Měděný vodič, holý pevný drát Ø 0,8 mm
<b>izolace jádra</b>	bezhalogenová polymerní směs HI 1
<b>Základní barevný kód</b>	dle DIN VDE 0815
<b>Upínací prvek</b>	Dráty na páry, každý po 4 párech pro vytvoření svazku, několik svazků navlečených do vrstev, identifikace svazku cívkou, speciální páska z polyesteru a skelných vláken
<b>Celkové stínění</b>	hliníková kompozitní fólie s drátem
<b>materiál vnějšího pláště</b>	bezhalogenová polymerní směs HM2

#### Technické údaje

<b>jmenovité napětí</b>	$U_0/U$ : 0 /0 V
<b>Jmenovité napětí DC DC</b>	$U_0/U$ : 0 /0
<b>Zkušební napětí</b>	500 V
<b>Pevný poloměr ohybu (xD)</b>	0
<b>Pevná provozní teplota</b>	-30 °C bis 70 °C
<b>Provozní teplota pohyblivá</b>	-5 °C bis 50 °C

#### Construction

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

#### Technical Data

<b>Nominal Voltage</b>	$U_0/U$ : 0 /0 V
<b>Nominal Voltage DC</b>	$U_0/U$ : 0 /0
<b>Test Voltage</b>	500 V
<b>Bending Radius fixed (xD)</b>	0
<b>Operating Temperature solid</b>	-30 °C to 70 °C
<b>Operating Temperature moving</b>	-5 °C to 50 °C

Art. č. Prod. Nr.	dimenze Dimensions	malovat Color	hmotnost (kg/km) Weight (kg/km) approx.	Vnější průměr (mm) Outer-Diameter (mm) approx.
02604002	2x2 x 0,8	červená - red	75,0	8,8
02604001	4x2 x 0,8	červená - red	130,0	12,5
02604003	8x2 x 0,8	červená - red	300,0	19,8
02604004	12x2 x 0,8	červená - red	336,0	21,0
02604005	16x2 x 0,8	červená - red	426,0	20,1
02604006	20x2 x 0,8	červená - red	529,0	24,0