

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 consciousness 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 masonry 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 consist to unit, several units stranded to layers identified by numbered tape with special polyester 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	$U_0/U: 0 / 0 \text{ V}$
Nominal Voltage 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.	Dimensions	Color	Weight (kg/km) approx.	Outer-Diameter (mm) approx.
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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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