

JE-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.

Construction

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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	cores twisted to pairs, 4 pairs consistbr>to unit,
Elements	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 70 °C
Operating Temperature moving	-5 °C bis 50 °C

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Operating Temperature solid	-30 °C to 70 °C
Operating Temperature moving	-5 °C to 50 °C

Kabel und Leitungen E30/E90

Halogen-Free Cables E30 / E90



Prod. Nr. Prod. Nr.	Dimensions Dimensions	Color Color	Weight (kg/km) Weight (kg/km)	Outer-Diameter (mm) Outer-Diameter (mm)
02504010	1x2 x 0,8	oranžová - orange	60.0	6.0
02504001	2x2 x 0,8	oranžová - orange	76.0	7.5
02504002	4x2 x 0,8	oranžová - orange	115.0	9.5
02504003	8x2 x 0,8	oranžová - orange	232.0	14.5
02504004	12x2 x 0,8	oranžová - orange	318.0	17.1
02504007	16x2 x 0,8	oranžová - orange	430.0	20.0
02504005	20x2 x 0,8	oranžová - orange	514.0	21.5
02504006	32x2 x 0,8	oranžová - orange	730.0	24.0
02504009	52x2 x 0,8	oranžová - orange	1,195.0	38.0