

JE-H(St)H E30-E90



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..

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
Overall Shielding	plastic coated alu-foil with drain wire
Outer Insulation	halogen-free, flame retardant to
Material	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 moving	-5 °C to 50 °C

Kabel und Leitungen E30/E90

Halogen-Free Cables E30 / E90



Prod. Nr. Prod. Nr.	Option Option	Dimensions Dimensions	Color Color	Weight (kg/km) Weight (kg/km)	Outer-Diameter (mm) Outer-Diameter (mm)
02605016		1x2 x 0,8	oranžová - orange	65.0	7.2
02605001		2x2 x 0,8	oranžová - orange	74.0	8.0
02605008	E90	2x2 x 0,8	oranžová - orange	74.0	8.0
02605002		4x2 x 0,8	oranžová - orange	127.0	11.8
02605009	E90	4x2 x 0,8	oranžová - orange	127.0	11.8
02605003		8x2 x 0,8	oranžová - orange	300.0	15.6
02605010	E90	8x2 x 0,8	oranžová - orange	300.0	15.6
02605004		12x2 x 0,8	oranžová - orange	336.0	21.0
02605011	E90	12x2 x 0,8	oranžová - orange	336.0	21.0
02605005		16x2 x 0,8	oranžová - orange	426.0	22.0
02605012	E90	16x2 x 0,8	oranžová - orange	426.0	22.0
02605006		20x2 x 0,8	oranžová - orange	529.0	24.0
02605013	E90	20x2 x 0,8	oranžová - orange	529.0	24.0
02605007		32x2 x 0,8	oranžová - orange	1,334.0	31.0
02605014	E90	32x2 x 0,8	oranžová - orange	1,334.0	31.0