

(N)HXCH 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

security cable in the case of fire to DIN VDE 0266 & FE 180:

Insulation integrity to DIN VDE 0472 part 814 & E 30:

Function-

ality 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

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



Inner Conductor	bare copper conductor to DIN VDE 0295 cl. 1 or cl. 2, HD 383
Core Insulation	halogen-free, polymer HI 1
Core Color	to DIN VDE 0293-308
Stranding Elements	cores stranded in layers
Inner Sheath Material	halogen free filling compound
Overall Shielding	copper wire with helix of copper tape Separator of special tape
Outer Insulation Material	polyolefin compound HM4, to DIN VDE 0207 part 24

Technical Data

Nominal Voltage	U_0/U : 600 /1000 V
Nominal Volatage DC	U_0/U : 0 /0
Test Voltage	4000 V
Bending Radius fixed (xD)	0
Operating Temperature solid	-5 °C bis 70 °C
Operating Temperature moving	0 °C bis 0 °C

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Prod. Nr. Prod. Nr.	Option Option	Dimensions Dimensions	Color Color	Weight (kg/km) Weight (kg/km)	Outer-Diameter (mm) Outer-Diameter (mm)
02405060		2 x 1,5re/1,5	oranžová - orange	300.0	10.8
02405002		2 x 2,5re/2,5	oranžová - orange	360.0	11.9
02405066		2 x 4re/4	oranžová - orange	420.0	12.9
02405003		3 x 1,5re/1,5	oranžová - orange	260.0	11.9
02405004		3 x 2,5re/2,5	oranžová - orange	330.0	12.9
02405058		3 x 2,5re/16	oranžová - orange	459.0	16.1
02405005		3 x 4re/4	oranžová - orange	420.0	17.2
02405006		3 x 6re/6	oranžová - orange	540.0	18.3
02405055	J	3 x 6re/16	oranžová - orange	540.0	19.0
02405007		3 x 10re/10	oranžová - orange	760.0	20.4
02405008		3 x 16re/16	oranžová - orange	1,100.0	22.9
02405012		3 x 70rm/35	oranžová - orange	4,000.0	39.0
02405039		3 x 240 rm/120	oranžová - orange	9,800.0	65.0
02405016		4 x 1,5re/1,5	oranžová - orange	310.0	13.9
02405041		4 x 1,5re/16	oranžová - orange	470.0	18.0
02405017		4 x 2,5re/2,5	oranžová - orange	380.0	14.1
02405042		4 x 2,5re/16	oranžová - orange	520.0	19.0
02405018		4 x 4re/4	oranžová - orange	500.0	14.9
02405044		4 x 4re/16	oranžová - orange	500.0	20.0
02405019		4 x 6re/6	oranžová - orange	640.0	16.9
02405020		4 x 10re/10	oranžová - orange	900.0	18.9
02405021		4 x 16re/16	oranžová - orange	1,250.0	21.9
02405022		4 x 25rm/16	oranžová - orange	1,800.0	28.1
02405023		4 x 35rm/16	oranžová - orange	2,300.0	31.1

Prod. Nr. Prod. Nr.	Option Option	Dimensions Dimensions	Color Color	Weight (kg/km) Weight (kg/km)	Outer-Diameter (mm) Outer-Diameter (mm)
02405024		4 x 50rm/25	oranžová - orange	3,000.0	36.2
02405025		4 x 70rm/35	oranžová - orange	4,200.0	41.5
02405001		4 x 95rm/50	oranžová - orange	5,700.0	45.0
02405026		4 x 120rm/70	oranžová - orange	7,200.0	50.1
02405027		4 x 150rm/70	oranžová - orange	8,700.0	52.9
02405037		4 x 185rm/95	oranžová - orange	10,975.0	60.5
02405040		4 x 240rm/120	oranžová - orange	14,000.0	64.9
02405071		5 x 1,5re/16	oranžová - orange	513.0	16.8
02405053		5 x 2,5re/16	oranžová - orange	563.0	18.1
02405065		5 x 4re/16	oranžová - orange	657.0	18.8
02405056	O	5 x 6re/16	oranžová - orange	803.0	20.6
02405057	J	5 x 6re/16	oranžová - orange	803.0	20.6
02405061	J	5 x 16re/16	oranžová - orange	1,432.0	26.4
02405059	J	5 x 16rm/16	oranžová - orange	1,432.0	26.4
02405028		7 x 1,5re/2,5	oranžová - orange	420.0	16.9
02405046		7 x 1,5re/16	oranžová - orange	420.0	19.0
02405033		7 x 2,5re/2,5	oranžová - orange	540.0	17.9
02405043		7 x 2,5re/16	oranžová - orange	890.0	22.0
02405052		7 x 4re/16	oranžová - orange	1,080.0	25.0
02405030		12 x 1,5re/2,5	oranžová - orange	620.0	19.9
02405035		12 x 2,5re/4	oranžová - orange	850.0	21.9
02405063		14 x 1,5re/16	oranžová - orange	783.0	24.0
02405064		14 x 2,5re/16	oranžová - orange	957.0	24.0
02405051		19 x 1,5re/16	oranžová - orange	820.0	27.0

Kabel und Leitungen E30/E90

Halogen-Free Cables E30 / E90



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Prod. Nr.	Option	Dimensions	Color	Weight (kg/km)	Outer-Diameter (mm)
02405048		19 x 2,5re/16	oranžová - orange	1,550.0	35.0
02405031		24 x 1,5re/6	oranžová - orange	1,150.0	32.0
02405067		24 x 1,5re/16	oranžová - orange	1,150.0	32.0
02405062		30 x 1,5re/16	oranžová - orange	1,350.0	34.0