

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

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



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02405048		19 x 2,5re/16	narancssárga - orange	1,550.0	35.0
02405031		24 x 1,5re/6	narancssárga - orange	1,150.0	32.0
02405067		24 x 1,5re/16	narancssárga - orange	1,150.0	32.0
02405062		30 x 1,5re/16	narancssárga - orange	1,350.0	34.0