

(N)HXH-J 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

- Inner Conductor** bare copper conductor to DIN VDE 0295 cl. 1 or cl. 2, HD 383
- Core Insulation** halogen-free polymer compound
- Core Color** to DIN VDE 0293-308
- Stranding Elements** cores stranded in layers
- Outer Insulation Material** halogen-free polymer compound

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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)	Calorific potential (kWh/m) Calorific potential (kWh/m)
02404008	O	1 x 16 re	oranžová - orange	215.0	9.5	0.34
02404009	O	1 x 25 rm	oranžová - orange	305.0	11.0	0.39
02404010	O	1 x 35 rm	oranžová - orange	400.0	12.0	0.45
02404011	O	1 x 50 rm	oranžová - orange	540.0	13.5	0.53
02404012	O	1 x 70 rm	oranžová - orange	750.0	15.5	0.66
02404013	O	1 x 95 rm	oranžová - orange	1,015.0	17.5	0.79
02404084	J	1 x 120 rm	oranžová - orange	1,255.0	19.0	0.91
02404014	O	1 x 120 rm	oranžová - orange	1,255.0	19.0	0.91
02404015	O	1 x 150 rm	oranžová - orange	1,545.0	21.0	1.12
02404016	O	1 x 185 rm	oranžová - orange	1,925.0	23.0	1.34
02404017	O	1 x 240 rm	oranžová - orange	2,450.0	26.0	1.61
02404018	O	2 x 1,5re	oranžová - orange	125.0	9.5	0.34
02404019	O	2 x 2,5re	oranžová - orange	160.0	10.0	0.40
02404020	O	2 x 4re	oranžová - orange	210.0	11.0	0.47
02404021	O	2 x 6re	oranžová - orange	280.0	12.5	0.59
02404022	O	2 x 10 re	oranžová - orange	420.0	15.0	0.81
02404075	O	2 x 16 rm	oranžová - orange	630.0	18.5	1.14
02404093	J	3 x 1,5re	oranžová - orange	145.0	10.0	0.37
02404094	J	3 x 2,5re	oranžová - orange	190.0	10.5	0.44
02404096	J	3 x 4re	oranžová - orange	260.0	12.0	0.55
02404095	J	3 x 6re	oranžová - orange	340.0	13.5	0.65
02404023	J	3 x 10 re	oranžová - orange	525.0	16.0	0.93
02404109	J	3 x 16 rm	oranžová - orange	785.0	19.5	1.24
02404025	J	3 x 25 rm	oranžová - orange	1,140.0	23.0	1.60

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02404030	J	3 x 25/16 rm	oranžová - orange	1,315.0	24.0	1.74
02404026	J	3 x 35 rm	oranžová - orange	1,485.0	25.0	1.88
02404031	J	3 x 35/16 rm	oranžová - orange	1,640.0	26.0	1.99
02404027	J	3 x 50 rm	oranžová - orange	1,970.0	28.0	2.25
02404032	J	3 x 50/25 rm	oranžová - orange	2,230.0	30.0	2.46
02404028	J	3 x 70 rm	oranžová - orange	2,735.0	32.0	2.90
02404033	J	3 x 70/35 rm	oranžová - orange	3,070.0	34.0	3.12
02404034	J	3 x 95/50 rm	oranžová - orange	4,180.0	39.0	3.95
02404035	J	3 x 120/70 rm	oranžová - orange	5,280.0	43.0	4.80
02404036	J	3 x 150/70 rm	oranžová - orange	6,260.0	47.0	5.61
02404037	J	3 x 185/95 rm	oranžová - orange	7,925.0	52.0	6.99
02404038	J	3 x 240/120 rm	oranžová - orange	10,030.0	58.0	8.49
02404099	J	4 x 1,5re	oranžová - orange	170.0	11.0	0.43
02404089	J	4 x 2,5re	oranžová - orange	225.0	11.5	0.51
02404040	J	4 x 4re	oranžová - orange	315.0	13.0	0.64
02404041	J	4 x 6re	oranžová - orange	435.0	15.0	0.82
02404042	J	4 x 10 re	oranžová - orange	665.0	17.5	1.16
02404091	J	4 x 16 rm		995.0	22.0	1.50
02404044	J	4 x 25 rm	oranžová - orange	1,430.0	25.0	1.88
02404045	J	4 x 35 rm	oranžová - orange	1,680.0	28.0	2.20
02404046	J	4 x 50 rm	oranžová - orange	2,505.0	31.0	2.73
02404047	J	4 x 70 rm	oranžová - orange	3,480.0	36.0	3.50
02404048	J	4 x 95 rm	oranžová - orange	4,705.0	41.0	4.33
02404049	J	4 x 120 rm	oranžová - orange	5,850.0	45.0	5.25

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02404050	J	4 x 150 rm	oranžová - orange	7,160.0	49.0	6.35
02404078	J	4 x 240 rm	oranžová - orange	11,380.0	62.0	9.62
02404102	J	5 x 1,5re	oranžová - orange	200.0	11.5	0.50
02404103	J	5 x 2,5re	oranžová - orange	270.0	12.5	0.62
02404053	J	5 x 4re	oranžová - orange	380.0	14.0	0.77
02404105	J	5 x 6re	oranžová - orange	520.0	16.0	0.98
02404055	J	5 x 10 re	oranžová - orange	810.0	19.5	1.39
02404056	J	5 x 16 re	oranžová - orange	1,300.0	24.0	
02404057	J	5 x 25 rm	oranžová - orange	1,725.0	27.0	2.21
02404083	J	5 x 35 rm	oranžová - orange	2,270.0	30.0	2.64
02404085	J	5 x 50 rm	oranžová - orange	3,075.0	34.0	3.35
02404088	J	5 x 70 rm	oranžová - orange	4,315.0	40.0	4.37
02404086	J	5 x 95 rm	oranžová - orange	5,815.0	45.0	5.41
02404004	J	7 x 1,5re	oranžová - orange	250.0	12.5	0.59
02404064	J	7 x 2,5re	oranžová - orange	340.0	14.0	0.72
02404071	J	7 x 4 re	oranžová - orange	485.0	15.5	0.99
02404058	J	10 x 1,5re	oranžová - orange	370.0	16.0	0.88
02404065	J	10 x 2,5re	oranžová - orange	505.0	18.0	1.07
02404059	J	12 x 1,5re	oranžová - orange	415.0	16.5	0.96
02404066	J	12 x 2,5re	oranžová - orange	565.0	18.5	1.16
02404061	J	19 x 1,5re	oranžová - orange	600.0	19.5	1.37
02404068	J	19 x 2,5re	oranžová - orange	830.0	22.0	1.67
02404062	J	24 x 1,5re	oranžová - orange	760.0	23.0	1.76
02404063	J	30 x 1,5re	oranžová - orange	940.0	25.0	2.14