

(N)HXH-J 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

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	special cross-linked halogen-free fire resistant silicone compound
Core Color	to DIN VDE 0293-308
Stranding Elements	cores stranded in layers
Outer Insulation Material	thermoplastic halogen- free compound type HM4

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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)	12
Operating Temperature solid	-30 °C bis 90 °C
Operating Temperature moving	-15 °C bis 70 °C
Short Circuit Temperature	250 °C
Short Circuit Duration	5 sek.

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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)
02603085	O	1 x 2,5 re	oranžová - orange	63.0	5.8
02603013	O	1 x 6 re	oranžová - orange	120.0	10.0
02603015	O	1 x 16 re	oranžová - orange	230.0	11.0
02603016	O	1 x 25 rm	oranžová - orange	340.0	13.0
02603017	O	1 x 35 rm	oranžová - orange	440.0	14.0
02603018	O	1 x 50 rm	oranžová - orange	620.0	16.0
02603019	O	1 x 70 rm	oranžová - orange	850.0	18.0
02603020	O	1 x 95 rm	oranžová - orange	1,100.0	20.0
02603021	O	1 x 120 rm	oranžová - orange	1,350.0	21.0
02603072	J	1 x 120 rm	oranžová - orange	1,350.0	21.0
02603022	O	1 x 150 rm	oranžová - orange	1,650.0	24.0
02603023	O	1 x 185 rm	oranžová - orange	2,100.0	26.0
02603079	J	1 x 240 rm	oranžová - orange	2,600.0	29.0
02603024	O	1 x 240 rm	oranžová - orange	2,600.0	29.0
02603025	O	1 x 300 rm	oranžová - orange	3,300.0	32.0
02603088	O	1 x 400 rm	oranžová - orange	4,055.0	33.3
02603089	O	1 x 500 rm	oranžová - orange	5,130.0	40.0
02603026	O	2 x 1,5	oranžová - orange	210.0	14.0
02603027	O	2 x 2,5	oranžová - orange	250.0	15.0
02603028	O	2 x 4 re	oranžová - orange	310.0	16.0
02603029	O	2 x 6 re	oranžová - orange	380.0	17.0
02603030	O	2 x 10 re	oranžová - orange	510.0	19.0
02603031	O	2 x 16 rm	oranžová - orange	680.0	21.0
02603004	J	3 x 1,5	oranžová - orange	240.0	15.0

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02603005	J	3 x 2,5	oranžová - orange	290.0	16.0
02603033	J	3 x 4 re	oranžová - orange	360.0	17.0
02603051	J	3 x 6 re	oranžová - orange	511.0	17.4
02603052	J	3 x 10 re	oranžová - orange	677.0	19.1
02603074	J	3 x 16 re	oranžová - orange	1,000.0	21.0
02603050	J	3 x 16 rm	oranžová - orange	1,000.0	21.0
02603053	J	3 x 25 rm	oranžová - orange	1,392.0	25.8
02603054	J	3 x 35 rm	oranžová - orange	1,778.0	28.4
02603059	J	3 x 120/70 rm	oranžová - orange	5,822.0	46.7
02603060	J	3 x 150/70 rm	oranžová - orange	6,850.0	50.5
02603087	J	3 x 185/95 rm	oranžová - orange	7,569.0	52.0
02603061	J	3 x 240/120 rm	oranžová - orange	10,930.0	62.3
02603006	J	4 x 1,5	oranžová - orange	280.0	16.0
02603034	J	4 x 2,5	oranžová - orange	350.0	17.0
02603003	J	4 x 4 re	oranžová - orange	440.0	19.0
02603035	J	4 x 6 re	oranžová - orange	560.0	20.0
02603002	J	4 x 10 re	oranžová - orange	760.0	22.0
02603036	J	4 x 16 re	oranžová - orange	1,100.0	25.0
02603078	J	4 x 16 rm	oranžová - orange	1,100.0	25.0
02603037	J	4 x 25 rm	oranžová - orange	1,600.0	30.0
02603038	J	4 x 35 rm	oranžová - orange	2,100.0	32.0
02603039	J	4 x 50 rm	oranžová - orange	2,900.0	37.0
02603040	J	4 x 70 rm	oranžová - orange	3,900.0	41.0
02603041	J	4 x 95 rm	oranžová - orange	5,200.0	47.0

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02603042	J	4 x 120 rm	oranžová - orange	6,300.0	51.0
02603071	J	4 x 150 rm	oranžová - orange	7,725.0	53.0
02603076	J	4 x 185 rm	oranžová - orange	9,550.0	59.0
02603069	J	4 x 240 rm	oranžová - orange	12,800.0	64.0
02603001	J	5 x 1,5	oranžová - orange	350.0	15.0
02603007	J	5 x 2,5	oranžová - orange	394.0	19.0
02603008	J	5 x 4 re	oranžová - orange	490.0	20.0
02603009	J	5 x 6 re	oranžová - orange	620.0	22.0
02603043	J	5 x 10 re	oranžová - orange	950.0	24.0
02603010	J	5 x 16 re	oranžová - orange	1,145.0	27.0
02603073	J	5 x 16 rm	oranžová - orange	1,400.0	28.0
02603044	J	5 x 25 rm	oranžová - orange	2,000.0	32.0
02603048	J	5 x 35 rm	oranžová - orange	350.0	36.0
02603049	J	5 x 50 rm	oranžová - orange	3,700.0	40.0
02603082	J	5 x 70 rm	oranžová - orange	4,600.0	41.0
02603083	J	5 x 95 rm	oranžová - orange	4,750.0	51.0
02603084	J	5 x 120 rm	oranžová - orange	6,780.0	51.0
02603081	J	5 x 150 rm	oranžová - orange	8,586.0	59.0
02603011	J	7 x 1,5	oranžová - orange	380.0	19.0
02603045	J	7 x 2,5	oranžová - orange	480.0	20.0
02603046	J	7 x 4 re	oranžová - orange	530.0	
02603062	J	10 x 1,5	oranžová - orange	680.0	22.9
02603064	J	10 x 2,5	oranžová - orange	850.0	27.0
02603012	J	12 x 1,5	oranžová - orange	580.0	24.0

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02603063	J	12 x 2,5	oranžová - orange	910.0	25.2
02603080	J	14 x 1,5	oranžová - orange	620.0	24.0
02603070	J	19 x 1,5	oranžová - orange	950.0	28.0
02603066	J	19 x 2,5	oranžová - orange	1,250.0	32.0
02603075	J	24 x 1,5	oranžová - orange	1,200.0	30.0
02603067	J	24 x 2,5	oranžová - orange	1,580.0	35.0