

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

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

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

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