

NHXXH-FE 180/E 90



CE



Construction:

Conductor:	Solid or stranded red copper conductor Cl. 1 or 2, acc. to IEC 60228 DIN VDE 0259
Insulation:	double core insulation of mica tape and cross-linked polymer type HI1, to DIN VDE 0207 part 23
Colour cores:	acc. to DIN VDE 0293-308, HD 308 S2
Stranding:	cores stranded in layers
Inner sheath:	halogen-free filling compound, pressed.
Outer sheath:	orange (RAL 2003), polymer compound DIN VDE 0207 part 24, flame retardant

Technical data:

Nominal voltage:	0,6/1 kV
Test voltage:	4 kV
Temperature range:	- 30 °C / + 70 °C
Min. bending radius:	12 x d
Radiation resistance:	up to 200x10 ⁶ cJ/kg

Resistance:



Flame retardant acc. to:
IEC 60332-3-24
EN 50266-2
DIN VDE 0482 part.266-2



Halogen free acc. to:
EN 50267-2-1
IEC 60754-1
DIN VDE 0482 part.267-2-1



Low corrosiveness combustion gases acc.to:
EN 50267-2,
IEC 60754-2,
DIN VDE 0482 part.267-2



Low smoke emission acc. to:
EN 50268-2
IEC 61034-2
DIN VDE 0482 part. 268-2

Features:

Security cable, 0,6/1 kV, with improved fire characteristics

Insulation integrity under flame
propagation to VDE 0472 part 814 IEC 60331

Burning behavior in fire (functionality)
of the complete cable system to DIN 4102
part 12 (90 min.)

FE 180: insulation integrity for 180 min.
Test to DIN VDE 0472 part.814 IEC 60331

E 90: functionally for 90 min. Test to DIN 4102 part. 12



re: circular solid conductor



rm: circular stranded conductor



sm: sector-shaped stranded conductor



se: sector-shaped solid conductor

SECURITY CABLES

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CE



Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
49140GG2031M15	3G1,5 re	14	43	280	16
49140GG2031M25	3G2,5 re	15	72	330	14
49140GG2031M40	3G4 re	16	115	400	12
49140GG2031M60	3G6 re	17	173	480	10
49140GG2031M61	3G10 re	19	288	650	8
49140GG2031M62	3G16 re	21	461	850	6
49140GG2031M63	3G25 re	25	720	1300	4
49140GG2031M64	3G35 re	28	1008	1700	2
49140GG2035M64	3G35/16 re	28	1162	1850	2
49140GG2035M65	3G50/25 rm	32	1680	2500	1
49140GG2035M66	3G70/35 rm	36	2352	3350	2/0
49140GG2035M67	3G95/50 rm	42	3216	4500	3/0
49140GG2035M68	3G120/70 rm	45	4128	5600	4/0
49140GG2035M69	3G150/70 rm	49	4992	6700	250 MCM
49140GG2035M70	3G185/95 rm	55	6240	8350	350 MCM
49140GG2035M71	3G240/120 rm	63	8064	10000	450 MCM
49140GG2041M15	4G1,5 re	15	58	325	16
49140GG2041M25	4G2,5 re	16	96	385	14
49140GG2041M40	4G4 re	17	154	470	12
49140GG2041M60	4G6 re	18	230	580	10
49140GG2041M61	4G10 re	20	384	790	8
49140GG2041M62	4G16 re	22	614	1100	6
49140GG2041M63	4G25 re	27	960	1650	4
49140GG2041M64	4G35 re	30	1344	2150	2
49140GG2041M65	4G50	34	1920	2800	1
49140GG2041M66	4G70	39	2688	3800	2/0
49140GG2041M67	4G95	44	3648	5050	3/0
49140GG2041M68	4G120	47	4608	6150	4/0
49140GG2051M15	5G1,5	16	72	375	16
49140GG2051M25	5G2,5	17	120	445	14
49140GG2051M40	5G4	18	192	560	12
49140GG2051M60	5G6	20	288	690	10
49140GG2051M61	5G10	22	480	950	8
49140GG2051M62	5G16	24	768	1300	6
49140GG2051M63	5G25	29	1200	1980	4
49140GG2051M64	5G35	33	1680	2350	2
49140GG2051M65	5G50	38	2500	3100	1
49140GG0071M15	7G1,5	19	101	560	16
49140GG0071M25	7G2,5	21	168	650	14
49140GG0101M15	10G1,5	23	144	750	16
49140GG0101M25	10G2,5	25	240	910	14
49140GG0121M15	12G1,5	25	173	850	16
49140GG0121M25	12G2,5	26	288	1000	14

Other dimensions and colours available on request.