

N2XH-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:	core insulation with cross-linked polyethylene. type 2X11 to DIN VDE 0276 PART 604. core with double insulation. flame retardant MICA-tapeover conductor.
Colour cores:	acc. to DIN VDE 0293-308, HD 308 S2
Stranding:	cores stranded in layers
Wrapping:	halogen-free filling compound, pressed
Outer sheath:	orange (RAL 2003), thermoplastic halogen-free polyolefine compound, type HM4 to DIN VDE 0276 part 604, flame retardant.

Technical data:

Nominal voltage:	0,6/1 kV
Test voltage:	4 kV
Highest voltage:	Um 1,2 kV
Temperature range:	- 30 °C / + 70 °C
Min. bending radius:	12 x d
Radiation resistance:	up to 200x10 ⁸ cJ/kg

Resistance:



Flame retardant acc. to:
IEC 60332-3
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

N2XH-FE 180/E 90



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. *)
49120GGL010M62	1x16 rm	11,5	154	250	6
49120GGL010M63	1x25 rm	13	240	360	4
49120GGL010M64	1x35 rm	14	336	460	2
49120GGL010M65	1x50 rm	15,5	480	610	1
49120GGL010M66	1x70 rm	17,5	672	840	2/0
49120GGL010M67	1x95 rm	19,5	912	1120	3/0
49120GGL010M68	1x120 rm	21,5	1152	1390	4/0
49120GGL010M69	1x150 rm	23,5	1440	1690	250 MCM
49120GGL010M70	1x185 rm	25,5	1776	2090	350 MCM
49120GGL010M71	1x240 rm	28,5	2304	2660	450 MCM
49120GGL010M72	1x300 rm	31	2880	3350	550 MCM
49120GGL010M73	1x400 rm	34,5	3840	4230	650 MCM
49120GG3020M15	2x1,5 re	14,5	29	270	16
49120GG3020M25	2x2,5 re	15,5	48	310	14
49120GG3020M40	2x4 re	16,5	77	370	12
49120GG3020M60	2x6 re	17,5	115	440	10
49120GG3020M61	2x10 rm	19,5	192	600	8
49120GG3020M62	2x16 rm	21	307	780	6
49120GG3020M63	2x25 rm	23,5	480	1100	4
49120GG3020M64	2x35 rm	26,5	672	1400	2
49120GG3020M65	2x50 rm	30	960	1830	1
49120GG3020M66	2x70 rm	33	1344	2420	2/0
49120GG3020M67	2x95 rm	37,5	1824	3240	3/0
49120GG3020M68	2x120 rm	41,0	2304	3940	4/0
49120GG3030M15	3x1,5 re	15	43	260	16
49120GG3030M25	3x2,5 re	16	72	350	14
49120GG3030M40	3x4 re	17	115	420	12
49120GG3030M60	3x6 re	18	173	520	10
49120GG3030M61	3x10 rm	20,5	288	710	8
49120GG3030M62	3x16 rm	22,5	461	950	6
49120GG3030M63	3x25 rm	26	720	1370	4
49120GG3035M64	3x35/16 rm	29,5	1162	1950	2
49120GG3030M64	3x35 rm	28	1008	1750	2
49120GG3035M65	3x50/25 rm	33,5	1680	2640	1
49120GG3030M65	3x50 rm	32	1440	2310	1
49120GG3030M66	3x70 rm	35,5	2016	3100	2/0
49120GG3035M66	3x70/35 rm	37	2352	3520	2/0
49120GG3035M67	3x95/50 rm	42	3216	4710	3/0
49120GG3030M67	3x95 rm	40,5	2736	4180	3/0
49120GG3035M68	3x120/70 rm	46,5	4128	5910	4/0
49120GG3030M68	3x120 rm	44	3456	5130	4/0
49120GG3030M69	3x150 rm	48,5	4320	6260	250 MCM
49120GG3035M69	3x150/70 rm	50	4992	6970	250 MCM
49120GG3035M70	3x185/95 rm	55,5	6240	8750	350 MCM
49120GG3030M70	3x185 rm	53	5328	7720	350 MCM
49120GG3035M71	3x240/120 rm	61,5	8064	1180	450 MCM
49120GG3030M71	3x240 rm	59,5	6912	9990	450 MCM
49120GG3040M15	4x1,5 re	16,5	58	350	16
49120GG3040M25	4x2,5 re	17,5	96	420	14
49120GG3040M40	4x4 re	18,5	154	510	12
49120GG3040M60	4x6 re	19,5	230	630	10
49120GG3040M61	4x10 rm	22,5	384	880	8
49120GG3040M62	4x16 rm	24,5	614	180	6
49120GG3040M63	4x25 rm	28,5	960	1730	4
49120GG3040M64	4x35 rm	31	1344	2220	2
49120GG3040M65	4x50 rm	35	1920	2940	1
49120GG3040M66	4x70 rm	39	2688	3960	2/0
49120GG3040M67	4x95 rm	45	3648	5360	3/0
49120GG3040M68	4x120 rm	48,5	4608	6550	4/0
49120GG3040M69	4x150 rm	54	5760	8070	250 MCM
49120GG3040M70	4x185 rm	59	7104	9970	350 MCM
49120GG3040M71	4x240 rm	66	9216	12830	450 MCM

Other dimensions and colours available on request.