

## N2XH-FE 180/E 30



CE



### Construction:

<b>Conductor:</b>	Solid or stranded red copper conductor Cl. 1 or 2, acc. to IEC 60228 DIN VDE 0259
<b>Insulation:</b>	core with double insulation: Flame retardant MICA-tape over conductor Core insulation with cross-linked polyethylene compound type 2X11 to DIN VDE 0276 PART 604
<b>Colour cores:</b>	acc. to DIN VDE 0293-308, HD 308 S2
<b>Stranding:</b>	cores stranded in layers
<b>Wrapping:</b>	halogen-free filling compound, pressed
<b>Outer sheath:</b>	orange (RAL 2003), thermoplastic halogen-free polyolefine, flame retardant, type HM4 to DIN VDE 0276 part 604

### Technical data:

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

### Resistance:



**Flame retardant acc. to:**  
DIN VDE 0482 part 332-3  
IEC 60332-3



**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 (30 min.)

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

E 30: functionally for 30 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 30



CE

ELETTROTEK KABEL® N2XH-FE 180/ E 30

Part no.	No. of cores x cross section n x mm <sup>2</sup>	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no.*)
49080GGL010M40	1x4 re	8	38	155	12
49080GGL010M60	1x6 re	9	58	190	10
49080GGL010M61	1x10 re	10	96	215	8
49080GGL010M62	1x16 re	10,5	154	240	6
49080GGL010M63	1x25 rm	13	240	380	4
49080GGL010M64	1x35 rm	14	336	460	2
49080GGL010M65	1x50 rm	15,5	480	590	1
49080GGL010M66	1x70 rm	17,5	672	820	2/0
49080GGL010M67	1x95 rm	19,5	912	1090	3/0
49080GGL010M68	1x120 rm	21	1152	1350	4/0
49080GGL010M69	1x150 rm	23	1440	1650	250 MCM
49080GGL010M70	1x185 rm	25	1776	2030	350 MCM
49080GGL010M71	1x240 rm	29	2304	2590	450 MCM
49080GG3020M15	2x1,5 re	11,5	29	170	16
49080GG3020M25	2x2,5 re	12	48	190	14
49080GG3020M40	2x4 re	13	77	260	12
49080GG3020M60	2x6 re	14	115	310	10
49080GG3020M61	2x10 re	15,5	192	430	8
49080GG3020M62	2x16 re	17,5	307	600	6
49080GG3020M63	2x25 rm	22	480	930	4
49080GG3031M15	3G1,5 re	12	43	170	16
49080GG3031M25	3G2,5 re	12,5	72	220	14
49080GG3031M40	3G4 re	13,5	115	290	12
49080GG3031M60	3G6 re	14,5	173	370	10
49080GG3031M61	3G10 re	16,5	288	530	8
49080GG3031M62	3G16 re	18,5	461	760	6
49080GG3031M63	3G25 rm	23,5	720	1160	4
49080GG3035M63	3G25/16 rm	22,5	874	1430	4
49080GG3031M64	3G35 rm	26	1080	1560	2
49080GG3035M64	3G35/16 rm	28	1162	1810	2
49080GG3031M65	3G50 rm	29	1440	2030	1
49080GG3035M65	3G50/25 rm	32	1680	2340	1
49080GG3031M66	3G70 rm	34	2016	2890	2/0
49080GG3035M66	3G70/35 rm	35	2352	3190	2/0
49080GG3035M67	3G95/50 rm	40	3216	4350	3/0
49080GG3035M68	3G120/70 rm	45	4128	5550	4/0
49080GG3035M69	3G150/70 rm	48,5	4992	6560	250 MCM
49080GG3035M70	3G185/95 rm	54	6240	8240	350 MCM
49080GG3041M15	4G1,5 re	12,5	58	210	16
49080GG3041M25	4G2,5 re	13	96	260	14
49080GG3041M40	4G4 re	13	154	310	12
49080GG3041M60	4G6 re	14,5	230	410	10
49080GG3041M61	4G10 re	16	384	620	8
49080GG3041M62	4G16 re	18	614	900	6
49080GG3040M63	4X25 re	23,6	960	1600	4
49080GG3040M64	4X35 re	26,4	1344	2050	2
49080GG3040M65	4X50 re	29,5	1920	2761	1
49080GG3040M66	4X70 re	34,6	2688	3785	2/0
49080GG3040M67	4X95 re	39	3648	5010	3/0
49080GG3040M68	4X120 re	43,5	4608	6135	4/0
49080GG3051M15	5G1,5 re	12	72	210	16
49080GG3051M25	5G2,5 re	13	120	280	14
49080GG3051M40	5G4 re	14,5	192	380	12
49080GG3051M60	5G6 re	15,5	288	510	10
49080GG3051M61	5G10 re	18	480	760	8
49080GG3051M62	5G16 re	20	768	1120	6
49080GG3050M63	5x25 re	24,5	1200	1840	4
49080GG3050M64	5x35 re	33,5	1680	2510	2
49080GG1071M15	7G1,5 re	13	101	250	16
49080GG1121M15	12G1,5 re	16,5	173	390	16

Other dimensions and colours available on request.