

NHXCH-FE 180/E 30



CE

ELETTROTEK KABEL® NHXCH-FE 180/E 30

Construction:

Conductor:	Solid or stranded red copper conductor Cl. 1 or 2, acc. to IEC 60228 DIN VDE 0259
Insulation:	special core insulation of mica tape and cross-linked polymer type HI1, acc. to DIN VDE 0207 part 23
Colour cores:	acc. to DIN VDE 0293-308, HD 308 S2
Stranding:	cores stranded in layers
Wrapping:	glass-fibre
Screen:	red copper wires and one or two copper tape(s) applied helically
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
Min. bending radius:	15 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 (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

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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. *)
49110GG3020M15	2x1,5/1,5 re	13	52	220	16
49110GG3020M25	2x2,5/2,5 re	14	80	385	14
49110GG3020M40	2x4/4 re	15	123	470	12
49110GG3020M60	2x6/6 re	16	182	550	10
49110GG3020M61	2x10/10 re	18	312	730	8
49110GG3030M15	3x1,5/1,5 re	13,5	66	380	16
49110GG3030M25	3x2,5/2,5 re	14,5	104	430	14
49110GG3030M40	3x4/4 re	15,5	161	530	12
49110GG3030M60	3x6/6 re	16,5	240	630	10
49110GG3030M61	3x10/10 re	18,5	408	850	8
49110GG3030M62	3x16/16 rm	20,5	643	1150	6
49110GG3030M63	3x25/16 rm	24	902	1700	4
49110GG3030M64	3x35/16 rm	26,5	1190	2150	2
49110GG3030M65	3x50/25 rm	29,5	1723	2800	1
49110GG3030M66	3x70/35 rm	33	2410	3800	2/0
49110GG3030M67	3x95/50 rm	37,5	3296	5100	3/0
49110GG3030M68	3x120/70 rm	42,5	4236	6250	4/0
49110GG3030M69	3x150/70 rm	47	5100	6900	250
49110GG3030M70	3x185/95 rm	52,5	6383	8550	350
49110GG3030M71	3x240/120 rm	58,5	8242	11150	450 MCM
49110GG3040M15	4x1,5/1,5 re	14,5	81	435	16
49110GG3040M25	4x2,5/2,5 re	15,5	128	500	14
49110GG3040M40	4x4/4 re	16,5	200	610	12
49110GG3040M60	4x6/6 re	17,5	297	740	10
49110GG3040M61	4x10/10 re	20	504	1050	8
49110GG3040M62	4x16/16 re	22	796	1350	6
49110GG3040M63	4x25/16 rm	26	1142	1950	4
49110GG3040M64	4x35/16 rm	28,5	1526	2400	2
49110GG3040M65	4x50/25 rm	32	2203	3200	1
49110GG3040M66	4x70/35 rm	37	3082	4300	2/0
49110GG3040M67	4x95/50 rm	41,5	4208	5750	3/0
49110GG3040M68	4x120/70 rm	47	5388	7100	4/0
49110GG3040M69	4x150/70 rm	52	6558	8550	250 MCM
49110GG3040M70	4x185/95 rm	58	8159	10700	350 MCM
49110GG3040M71	4x240/120 rm	64	10546	13930	450 MCM
49110GG1070M15	7x1,5/2,5 re	16,5	133	635	16
49110GG1070M25	7x2,5/2,5 re	17,5	200	680	14
49110GG1100M15	10x1,5/2,5 re	19,5	176	870	16
49110GG1100M25	10x2,5/4 re	21	286	980	14
49110GG1120M15	12x1,5/2,5 re	20	205	1050	16
49110GG1120M25	12x2,5/4 re	21,5	334	1050	14
49110GG1240M15	24x1,5/6 re	26	413	1900	16
49110GG1240M25	24x2,5/6 re	28,5	696	1900	14
49110GG1300M15	30x1,5/6 re	27	499	2200	16
49110GG1300M25	30x2,5/10 re	30	840	2200	14

Other dimensions and colours available on request.