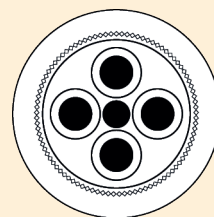
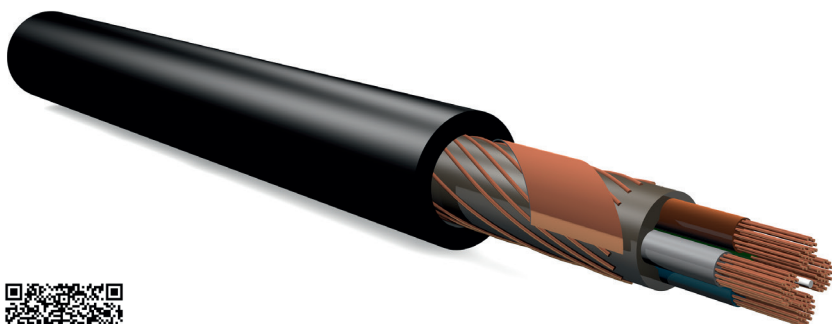


N2XCH

FRNC power cable 0.6/1kV

RoHS

CROSS SECTION



Acc. to DIN 0276 part 604

APPLICATION

For wherever particular protection against fire and fire damage is required for people and property and high safety requirements have to be fulfilled. For indoor installation over, on, in and under plastered surfaces, in dry, damp and wet rooms, as well as in brickwork and concrete. Also suitable for outdoor use. Do not bury directly in soil or lay in water. If exposed to fire, they prevent this from spreading and generate extremely little smoke. No corrosive and toxic gases are discharged. The cables are classed as having protective insulation.

STRUCTURE

Conductor	Copper conductor, bare, single or multi-cored, minimum smoke density, structure according to VDE 0276 part 604. In the case of two or multi-core cables, cores stranded together in layers. Flame retardant according to DIN VDE 0276 part 604.
Cores	Halogen free, cross-linked polyethylene insulation
Outer sheath	Made from flame-retardant polymer according to VDE 207 part 24, halogen free

SPECIAL FEATURES

Properties
 Flame retardant
 Halogen free
 Minimal smoke density

Sheath colour
 Black

TECHNICAL DATA

Nominal voltage	600 V/1000 V
Test voltage	4000 V
Operating temperature	-30°C to +70°C
Max. operating temperature	+70°C
Min. installation temperature	-5°C
Max. installation temperature	+50°C
Flame retardancy	According to DIN VDE 0472 part 804
Min. bending radius	Single-cored 15 x, multi-cored 12 x cable diameter

TESTS ACCORDING TO DIN VDE 0472 AND IEC:

Flammability	Test method C acc. to VDE 0472 part 804 and IEC 332-3
Halogen free nature	According to VDE 0472 part 815
Corrosiveness of combustion gases	According to VDE 0472 part 813, pH value 4.3, electrical conductivity </0 100 µS cm-1
Smoke density	Test method C acc. to VDE 0472 part 816 and IEC 1034-1
Ozone resistance	According to VDE 0472 part 805

Product description	Cu weight	Outer Ø (mm)	Weight (kg/km)	Fire load (kWh/m)	Product number
N2XCH 2x1.5 RE/1.5	52.0	13.0	260	0.47	2072001
N2XCH 2x2.5 RE/2.5	80.0	13.0	270	0.54	2072002
N2XCH 2x4.0 RE/4.0	123.0	14.0	320	0.63	2072003
N2XCH 2x6.0 RE/6.0	182.0	15.0	410	0.73	2072004
N2XCH 2x10 RE/10	312.0	17.0	550	0.90	2072005
N2XCH 2x16 RE/16	489.0	19.0	780	1.15	2072006
N2XCH 3x1.5 RE/1.5	66.0	13.0	240	0.54	2072007
N2XCH 3x2.5 RE/2.5	104.0	14.0	290	0.62	2072008
N2XCH 3x4.0 RE/4.0	161.0	15.0	380	0.72	2072009
N2XCH 3x6.0 RE/6.0	240.0	16.0	470	0.83	2072010
N2XCH 3x10 RE/10	408.0	18.0	640	1.03	2072011
N2XCH 3x16 RE/16	643.0	20.0	920	1.30	2072012
N2XCH 3x25 RM/25	1003.0	25.0	1430	2.00	2072013
N2XCH 3x35 RM/35	1402.0	29.0	1900	2.34	2072014
N2XCH 3x50 RM/50	2000.0	32.0	2200	2.97	2072015
N2XCH 3x70 RM/70	2796.0	36.0	3050	3.37	2072016
N2XCH 3x95 RM/95	3791.0	41.0	4200	4.58	2072017
N2XCH 3x120 RM/120	4786.0	45.0	5200	6.61	2072018
N2XCH 3x150 RM/150	5100.0	48.0	5450	6.94	2072019
N2XCH 3x185 RM/185	6383.0	53.0	6800	8.63	2072020
N2XCH 3x240 RM/240	8242.0	60.0	8900	10.66	2072021
N2XCH 4x1.5 RE/1.5	81.0	14.0	260	0.63	2072022
N2XCH 4x2.5 RE/2.5	128.0	15.0	330	0.73	2072023
N2XCH 4x4.0 RE/4.0	200.0	16.0	440	0.85	2072024
N2XCH 4x6.0 RE/6.0	297.0	17.0	550	0.99	2072025
N2XCH 4x10 RE/10	504.0	19.0	760	1.26	2072026
N2XCH 4x16 RE/16	796.0	22.0	1130	1.55	2072027
N2XCH 4x25 RM/16	1142.0	28.0	1700	2.39	2072028
N2XCH 4x35 RM/16	1526.0	31.0	2150	2.86	2072029
N2XCH 4x50 RM/25	2203.0	34.0	2600	3.54	2072030
N2XCH 4x70 RM/35	3082.0	40.0	3550	4.62	2072031
N2XCH 4x95 RM/50	4208.0	45.0	4800	5.56	2072032
N2XCH 7x1.5 RE/2.5	133.0	15.0	360	0.86	2072050
N2XCH 7x2.5 RE/2.5	200.0	17.0	450	0.99	2072051
N2XCH 7x4.0 RE/4.0	315.0	18.0	595	1.15	2072052
N2XCH 10x1.5 RE/2.5	176.0	17.0	480	1.21	2072053
N2XCH 10x2.5 RE/4.0	286.0	19.0	600	1.41	2072054
N2XCH 12x1.5 RE/2.5	205.0	19.0	530	1.35	2072055
N2XCH 12x2.5 RE/4.0	334.0	21.0	700	1.58	2072056
N2XCH 12x6.0 RE/6.0	528.0	22.0	905	2.20	2072057
N2XCH 16x1.5 RE/4.0	276.0	21.0	680	1.67	2072058
N2XCH 16x2.5 RE/6.0	451.0	23.0	850	1.95	2072059
N2XCH 21x1.5 RE/6.0	369.0	22.0	770	2.13	2072060
N2XCH 21x1.5 RE/6.0	571.0	25.0	1090	2.55	2072061
N2XCH 24x1.5 RE/6.0	413.0	24.0	850	2.41	2072062
N2XCH 24x2.5 RE/10	696.0	26.0	1180	2.83	2072063
N2XCH 30x1.5 RE/6.0	499.0	25.0	1020	2.84	2072064
N2XCH 30x2.5 RE/10	840.0	28.0	1400	3.33	2072065