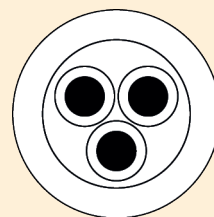
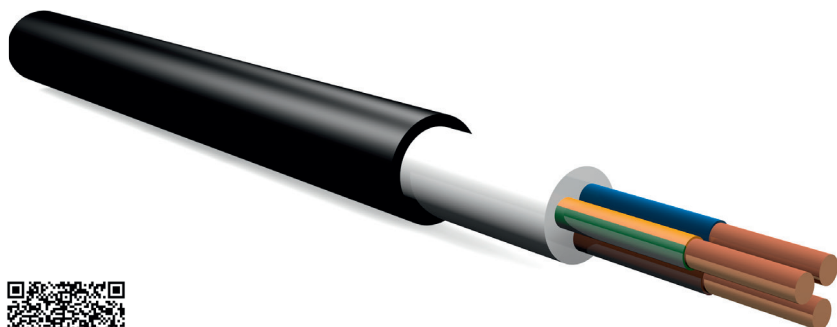


N2XH

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. Suitable for both indoor and outdoor use. For laying over, on, within and under plastered surfaces but not directly in soil or 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.

SPECIAL FEATURES

Sheath colour
Black

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.
Cores	Halogen free, cross-linked polyethylene insulation
Outer sheath	Made from flame-retardant polymer according to VDE 207 part 24, halogen free

TECHNICAL DATA

Nominal voltage	600 V/1000 V
Test voltage	4000 V
Operating temperature	-30°C to +70°C
Installation temperature	Min. -5°C/max. +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	Acc. to VDE 0472 part 813, pH value 4.3, el. conductivity </0 100 µS cm ⁻¹
Smoke density	Test method C acc. to VDE 0472 part 816 and IEC 1034-1
Flame retardancy	According to DIN VDE 0276 part 604
Ozone resistance	According to VDE 0472 part 805

Product description	Cu weight	Outer Ø (mm)	Weight (kg/km)	Fire load (kWh/m)	Product number
N2XH 1x4.0 RE	38.0	9.0	140	0.22	2071001
N2XH 1x6.0 RE	58.0	10.0	160	0.24	2071002
N2XH 1x10 RE	96.0	10.0	210	0.29	2071003
N2XH 1x16 RE	154.0	12.0	270	0.34	2071004
N2XH 1x25 RM	240.0	14.0	380	0.49	2071005
N2XH 1x35 RM	336.0	15.0	490	0.56	2071006
N2XH 1x50 RM	480.0	16.0	620	0.68	2071007
N2XH 1x70 RM	672.0	18.0	830	0.84	2071008
N2XH 1x95 RM	912.0	20.0	1200	1.00	2071009
N2XH 1x120 RM	1152.0	22.0	1500	1.18	2071010
N2XH 1x150 RM	1440.0	24.0	1.700	1.44	2071011
N2XH 1x185 RM	1776.0	26.0	2.200	1.80	2071012
N2XH 1x240 RM	2304.0	29.0	2.750	2.11	2071013
N2XH 1x300 RM	2880.0	33.0	3.300	2.50	2071014
N2XH 2x1.5 RE	29.0	12.0	180	0.44	2071015
N2XH 2x2.5 RE	48.0	12.0	210	0.51	2071016
N2XH 2x4.0 RE	77.0	13.0	270	0.60	2071017
N2XH 2x6.0 RE	115.0	14.0	340	0.70	2071018
N2XH 2x10 RE	192.0	16.0	450	0.86	2071019
N2XH 2x16 RE	307.0	18.0	600	1.10	2071020
N2XH 2x25 RM	480.0	23.0	980	1.66	2071021
N2XH 3x1.5 RE	43.0	12.0	200	0.51	2071022
N2XH 3x2.5 RE	72.0	13.0	250	0.59	2071023
N2XH 3x4.0 RE	115.0	14.0	330	0.69	2071024
N2XH 3x6.0 RE	173.0	15.0	410	0.80	2071025
N2XH 3x10 RE	288.0	16.0	550	0.99	2071026
N2XH 3x16 RE	461.0	20.0	790	1.25	2071027
N2XH 3x25 RM	720.0	24.0	1200	1.89	2071028
N2XH 3x35 RM	1008.0	27.0	1600	2.28	2071029
N2XH 3x50 RM	1440.0	29.0	1800	2.83	2071030
N2XH 3x70 RM	2016.0	33.0	2500	3.70	2071031
N2XH 3x95 RM	2736.0	37.0	3300	4.47	2071032
N2XH 3x120 RM	3456.0	41.0	4050	5.48	2071033
N2XH 3x150 RM	4320.0	45.0	4900	6.73	2071034
N2XH 3x185 RM	5328.0	50.0	5100	8.38	2071035
N2XH 3x240 RM	6912.0	56.0	7800	10.37	2071036
N2XH 3x50/ 25 RM	1680.0	28.0	2200	3.19	2071037
N2XH 3x70/ 35 RM	2352.0	32.0	2950	4.01	2071038
N2XH 3x95/ 50 RM	3216.0	36.0	3900	4.87	2071039
N2XH 3x120/ 70 RM	4128.0	40.0	4800	6.05	2071040
N2XH 3x150/ 70 RM	4992.0	49.0	5750	7.25	2071041
N2XH 3x185/ 95 RM	6240.0	55.0	7200	9.11	2071042
N2XH 3x240/ 120 RM	8064.0	62.0	9150	11.09	2071043
N2XH 4x1.5 RE	58.0	13.0	230	0.61	2071044
N2XH 4x2.5 RE	96.0	14.0	290	0.70	2071045
N2XH 4x4.0 RE	154.0	15.0	380	0.83	2071046
N2XH 4x6.0 RE	230.0	16.0	490	0.96	2071047
N2XH 4x10 RE	384.0	18.0	670	1.22	2071048
N2XH 4x16 RE	614.0	20.0	930	1.50	2071049
N2XH 4x25 RM	960.0	26.0	1450	2.34	2071050
N2XH 4x35 RM	1344.0	29.0	1900	2.74	2071051
N2XH 4x50 RM	1920.0	32.0	2300	3.48	2071052
N2XH 4x70 RM	2668.0	37.0	3200	4.55	2071053
N2XH 4x95 RM	3648.0	41.0	4200	5.47	2071054
N2XH 4x120 RM	4608.0	45.0	4300	6.60	2071055
N2XH 4x150 RM	5760.0	50.0	6350	8.36	2071056
N2XH 4x185 RM	7104.0	55.0	7800	10.42	2071057
N2XH 4x240 RM	9216.0	62.0	10300	12.69	2071058
N2XH 5x1.5 RE	72.0	14.0	270	0.71	2071059
N2XH 5x2.5 RE	120.0	15.0	340	0.83	2071060
N2XH 5x4.0 RE	192.0	16.0	450	0.98	2071061
N2XH 5x6.0 RE	288.0	17.0	560	1.14	2071062
N2XH 5x10 RE	480.0	19.0	790	1.45	2071063
N2XH 5x16 RE	768.0	22.0	1150	1.78	2071064
N2XH 7x1.5 RE	101.0	14.0	310	0.83	2071081
N2XH 7x2.5 RE	168.0	15.0	400	0.96	2071082
N2XH 7x4.0 RE	269.0	17.0	230	1.13	2071083

Product description	Cu weight	Outer Ø (mm)	Weight (kg/km)	Fire load (kWh/m)	Product number
N2XH 10x1.5 RE	144.0	17.0	420	1.15	2071084
N2XH 10x2.5 RE	240.0	18.0	540	1.38	2071085
N2XH 12x1.5 RE	173.0	18.0	460	1.29	2071086
N2XH 12x2.5 RE	288.0	19.0	600	1.55	2071087
N2XH 12x4.0 RE	461.0	21.0	820	1.82	2071088
N2XH 14x1.5 RE	202.0	20.0	540	1.48	2071089
N2XH 14x2.5 RE	336.0	20.0	670	1.73	2071090
N2XH 19x2.5 RE	456.0	22.0	840	2.19	2071092
N2XH 24x1.5 RE	346.0	22.0	760	2.38	2071093
N2XH 24x2.5 RE	576.0	25.0	1050	2.79	2071094
N2XH 30x1.5 RE	432.0	24.0	900	2.80	2071095
N2XH 30x2.5 RE	720.0	27.0	1230	3.29	2071096