

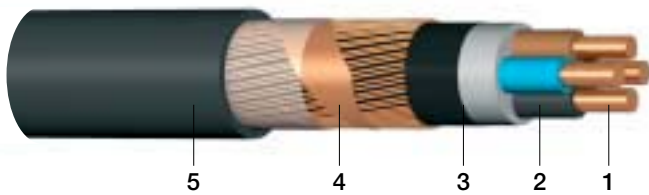
N2XCH

Power cables, screened

Standard: DIN VDE 0276-604

Usage:

The cables are specified for stationary distribution of electrical energy in dry and damp premises. Suitable for hotels, hospitals, underground railways, airports etc to protect people and technical building equipment in the event of fire where there is no requirement for maintaining the function of the cable in the event of fire.



Construction:

- 1 Copper conductor, round solid (RE), round stranded (RM) resp. sector-shaped stranded (SM)
- 2 Core insulation (XLPE)
- 3 Inner covering (halogen-free polymer compound)
- 4 Concentric screen (bare copper wires) and counter helix (copper tape)
- 5 Sheath (halogen-free polymere compound, black)



Rated voltage: 0.6/1 kV



Test voltage: 4000 Veff



Temperature range:

laying temperature: min. -5 °C
 operating temperature: fixed -40 °C to +80 °C
 in motion -5 °C to +50 °C
 conductor temperature: max. +90 °C
 short-circuit temperature: max. +250 °C/5 s



Biegeradius: 12 x Ø of cable



Core identification: coloured (DIN VDE 0293)



Fire properties:

flame retardant (EN 50265-2-1, IEC 60332-1)
 halogen-free, no corrosive combustion gases (EN 50267-2-2, IEC 60754-2)
 reduced fire propagation (EN 50266-2-2, IEC 60332-3 Cat. A)
 minimum smoke emission (EN 50268-2, IEC 61034)



Test certificate: VDE Germany

Number of cores x nominal cross section/cross section of screen (mm ²)	Max. conductor resistance (Ω/km)	Outer diameter (mm) ca.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lenghts/packing (m)
N2XCH					
2 x 1.5 RE/1.5	12.1000	14.0	54	240	500 T, 1000 T
3 x 1.5 RE/1.5	12.1000	14.5	73	250	500 T, 1000 T
4 x 1.5 RE/1.5	12.1000	15.5	88	300	500 T, 1000 T
2 x 2.5 RE/2.5	7.4100	15.0	83	280	500 T, 1000 T
3 x 2.5 RE/2.5	7.4100	15.5	113	320	500 T, 1000 T
4 x 2.5 RE/2.5	7.4100	16.5	138	380	500 T, 1000 T
2 x 4 RE/4	4.6100	14.0	128	320	500 T, 1000 T
3 x 4 RE/4	4.6100	16.0	168	400	500 T, 1000 T
4 x 4 RE/4	4.6100	17.5	208	480	500 T, 1000 T
2 x 6 RE/6	3.0800	15.0	190	410	500 T, 1000 T
3 x 6 RE/6	3.0800	18.0	250	500	500 T, 1000 T
4 x 6 RE/6	3.0800	19.0	309	600	500 T, 1000 T
2 x 10 RE/10	1.8300	17.0	325	550	500 T, 1000 T

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Number of cores x nominal cross section/cross section of screen (mm ²)	Max. conductor resistance (Ω/km)	Outer diameter (mm) ca.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lengths/packing (m)
N2XCH					
3 x 10 RE/10	1.8300	20.0	425	750	500 T, 1000 T
4 x 10 RE/10	1.8300	21.5	525	800	500 T, 1000 T
2 x 16 RE/16	1.1500	19.0	509	780	500 T, 1000 T
3 x 16 RE/16	1.1500	22.5	670	1,000	500 T, 1000 T
4 x 16 RE/16	1.1500	24.5	829	1,200	500 T, 1000 T
3 x 25 RM/25	0.7270	25.0	1,045	1,430	500 T, 1000 T
4 x 25 RM/16	0.7270	29.0	1,190	1,800	500 T, 1000 T
3 x 35 RM/35	0.5240	29.0	1,460	1,900	500 T, 1000 T
4 x 35 SM/16	0.5240	30.0	1,590	2,100	500 T, 1000 T
3 x 50 RM/50	0.3870	32.0	2,083	2,200	500 T, 1000 T
4 x 50 SM/25	0.3870	32.5	2,295	2,800	500 T, 1000 T
3 x 70 RM/70	0.2680	36.0	2,913	3,050	500 T, 1000 T
4 x 70 SM/35	0.2680	38.0	3,210	3,800	500 T, 1000 T
3 x 95 RM/95	0.1930	41.0	3,949	4,200	500 T, 1000 T
4 x 95 SM/50	0.1930	43.5	4,383	5,100	500 T, 1000 T
3 x 120 RM/120	0.1530	45.0	4,985	5,200	500 T, 1000 T
4 x 120 SM/70	0.1530	47.5	5,613	6,300	500 T, 1000 T
3 x 150 RM/70	0.1240	48.0	5,313	5,450	500 T, 1000 T
4 x 150 SM/70	0.1240	53.0	6,813	7,500	500 T
3 x 185 RM/95	0.0991	53.0	6,649	6,800	500 T
4 x 185 SM/95	0.0991	55.0	8,499	8,900	500 T
3 x 240 RM/120	0.0754	60.0	8,585	8,900	500 T
4 x 240 SM/120	0.0754	61.0	10,985	11,200	500 T
7 x 1.5 RE/2.5	12.1000	15.0	139	350	500 T, 1000 T
10 x 1.5 RE/2.5	12.1000	17.0	183	480	500 T, 1000 T
12 x 1.5 RE/2.5	12.1000	20.5	214	550	500 T, 1000 T
16 x 1.5 RE/4	12.1000	21.0	288	680	500 T, 1000 T
21 x 1.5 RE/6	12.1000	22.0	384	770	500 T, 1000 T
24 x 1.5 RE/6	12.1000	24.0	430	850	500 T, 1000 T
30 x 1.5 RE/6	12.1000	26.0	520	1,000	500 T, 1000 T
7 x 2.5 RE/2.5	7.4100	16.0	208	440	500 T, 1000 T
10 x 2.5 RE/4	7.4100	19.0	298	600	500 T, 1000 T
12 x 2.5 RE/4	7.4100	22.0	348	750	500 T, 1000 T
16 x 2.5 RE/6	7.4100	23.0	470	850	500 T, 1000 T
21 x 2.5 RE/6	7.4100	25.0	595	1,090	500 T, 1000 T
24 x 2.5 RE/10	7.4100	26.0	725	1,180	500 T, 1000 T
30 x 2.5 RE/10	7.4100	29.0	875	1,500	500 T, 1000 T
7 x 4 RE/4	4.6100	20.0	333	610	500 T, 1000 T
7 x 6 RE/6	3.0800	21.5	495	850	500 T, 1000 T
12 x 6 RE/6	3.0800	22.0	795	905	500 T, 1000 T

Subject to technical changes.