

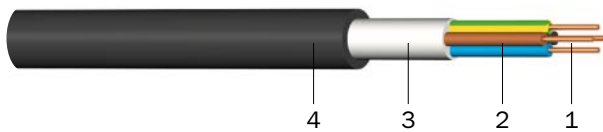
N2XH

Power cables

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 tape and halogen-free polymer compound)
- 4 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: -30 °C to +90 °C
 conductor temperature: max. +90 °C
 short-circuit temperature: max. +250 °C/5 s



Bending radius (min.): 12 x Ø of cable



Core identification: coloured (VDE 0276-604)



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 (IEC 60332-3 Cat. A, EN 50266-2-2)
 minimum smoke emission (EN 50268-2, IEC 61034)



Test certificate: VDE Germany

Number of cores x nominal cross section (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the air ¹⁾ (A)	Outer diameter (mm) ca.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lengths/packing (m)
N2XH						
2 x 1.5 RE	12.1000	29	11.5	29	180	1000 T
3 x 1.5 RE	12.1000	24	12.0	44	200	1000 T
4 x 1.5 RE	12.1000	24	13.0	59	230	1000 T
5 x 1.5 RE	12.1000	24	14.0	74	270	1000 T
7 x 1.5 RE	12.1000	14	14.0	103	310	1000 T
12 x 1.5 RE	12.1000	12	18.0	177	460	500 T
19 x 1.5 RE	12.1000	11	21.0	280	650	500 T
24 x 1.5 RE	12.1000	10	22.0	353	760	500 T
30 x 1.5 RE	12.1000	9	24.0	441	900	500 T
40 x 1.5 RE	12.1000	8	28.4	588	1,292	500 T
2 x 2.5 RE	7.4100	38	12.0	49	210	1000 T
3 x 2.5 RE	7.4100	32	13.0	74	250	1000 T
4 x 2.5 RE	7.4100	32	14.0	98	290	1000 T
5 x 2.5 RE	7.4100	32	15.0	123	340	1000 T
7 x 2.5 RE	7.4100	20	15.9	172	400	1000 T
12 x 2.5 RE	7.4100	17	19.0	294	600	500 T

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N2XH						
19 x 2.5 RE	7.4100	16	22.0	466	840	500 T
24 x 2.5 RE	7.4100	13	25.0	588	1,050	500 T
30 x 2.5 RE	7.4100	12	27.0	735	1,230	500 T
40 x 2.5 RE	7.4100	11	31.7	980	1,814	500 T
2 x 4 RE	4.6100	51	13.0	79	270	1000 T
3 x 4 RE	4.6100	42	14.0	117	330	1000 T
4 x 4 RE	4.6100	42	15.0	157	380	1000 T
5 x 4 RE	4.6100	42	16.0	196	450	1000 T
7 x 4 RE	4.6100	28	18.5	275	620	500 T
2 x 6 RE	3.0800	64	14.0	117	340	500 T
3 x 6 RE	3.0800	53	15.0	177	410	500 T
4 x 6 RE	3.0800	53	16.0	235	490	500 T
5 x 6 RE	3.0800	53	17.0	294	560	500 T
2 x 10 RE	1.8300	86	16.0	196	450	500 T
3 x 10 RE	1.8300	74	16.0	294	550	500 T
4 x 10 RE	1.8300	74	18.0	392	670	500 T
5 x 10 RE	1.8300	74	19.0	490	790	500 T
2 x 16 RM	1.1500	110	18.1	313	632	500 T
3 x 16 RM	1.1500	98	19.2	471	747	500 T
4 x 16 RM	1.1500	98	20.8	627	958	500 T
5 x 16 RM	1.1500	98	22.7	784	1,085	500 T
3 x 25 RM	0.7270	133	24.0	735	1,200	500 T
4 x 25 RM	0.7270	133	26.0	980	1,450	500 T
3 x 35 RM	0.5240	162	27.0	1,029	1,600	500 T
4 x 35 SM	0.5240	162	28.4	1,372	1,846	500 T
3 x 50 RM	0.3870	197	29.0	1,470	1,800	500 T
4 x 50 SM	0.3870	197	34.4	1,960	2,408	500 T
3 x 70 RM	0.2680	250	34.6	2,058	2,545	500 T
4 x 70 SM	0.2680	250	37.8	2,744	3,335	500 T
3 x 95 RM	0.1930	308	38.1	2,793	3,356	500 T
4 x 95 SM	0.1930	308	42.8	3,724	4,379	500 T
3 x 120 RM	0.1530	359	41.7	3,528	4,152	500 T
4 x 120 SM	0.1530	359	46.2	4,704	5,416	500 T
3 x 150 RM	0.1240	412	45.4	4,410	5,180	300 T
4 x 150 SM	0.1240	412	50.0	5,880	6,690	300 T
3 x 185 RM	0.0991	475	51.0	5,439	6,235	300 T
4 x 185 SM	0.0991	475	56.6	7,252	8,263	300 T
3 x 240 RM	0.0754	564	57.0	7,056	8,288	300 T
4 x 240 SM	0.0754	564	62.8	9,408	11,108	300 T

1) basic rated current acc. to VDE 0276-604
Subject to technical changes.