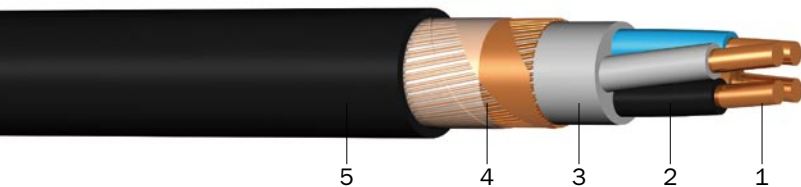


N2XCH

Halogen-free energy cable, screened

DESIGN



- 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) and halogen-free plastic tape
- 5 | Sheath (halogen-free polymere compound, black)

APPLICATION

These cables are intended for the stationary distribution of electrical energy in dry or damp premises and for fixed installations in air or concrete. Suitable for hotels, hospitals, underground railways, airports etc. to protect people and technical building equipment in the event of fire if circuit integrity is not required. Not allowed for installations underground or in water.

TECHNICAL DATA



Standard:
DIN VDE 0276-604 (HD 604)



Rated voltage:
0.6/1 kV



Test voltage:
4 kV/50 Hz



Temperature range:
 laying temperature: min. -5 °C
 operating temperature: -50 °C up 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:
HD 308 S2



Fire properties:
 flame retardant:
 EN 60332-1-2
 halogen-free, non-corrosive combustion gases:
 EN 50267-2-2
 reduced flame propagation:
 EN 60332-3-24
 low smoke emission:
 EN 61034-2



Certificate:
EZÚ Czech Republic, VDE Germany

Number of cores x nominal cross section/cross section of screen (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the air ¹⁾ (A)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
N2XCH					
2 x 1.5 RE/1.5	12.100	29	13.0	260	1,000 D
3 x 1.5 RE/1.5	12.100	24	13.0	240	1,000 D
4 x 1.5 RE/1.5	12.100	24	14.0	260	1,000 D
5 x 1.5 RE/1.5	12.100	24	14.8	295	1,000 D
7 x 1.5 RE/2.5	12.100	14	15.0	360	1,000 D
12 x 1.5 RE/2.5	12.100	12	19.0	530	500 D
19 x 1.5 RE/4	12.100	11	22.5	720	500 D
24 x 1.5 RE/6	12.100	10	24.0	850	500 D
30 x 1.5 RE/6	12.100	9	25.0	1.020	500 D
40 x 1.5 RE/10	12.100	8	32.8	1.370	500 D
2 x 2.5 RE/2.5	7.410	38	13.0	270	1,000 D
3 x 2.5 RE/2.5	7.410	32	14.0	290	1,000 D
4 x 2.5 RE/2.5	7.410	32	15.0	330	1,000 D
5 x 2.5 RE/2.5	7.410	32	15.9	365	1,000 D

N2XCH

Number of cores x nominal cross section/cross section of screen (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the air ¹⁾ (A)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
N2XCH					
7 x 2.5 RE/2.5	7.410	20	17.0	450	1,000 D
12 x 2.5 RE/4	7.410	17	21.0	700	500 D
19 x 2.5 RE/6	7.410	16	24.6	985	500 D
24 x 2.5 RE/10	7.410	13	26.0	1180	500 D
30 x 2.5 RE/10	7.410	12	28.0	1400	500 D
40 x 2.5 RE/10	7.410	11	31.5	1930	500 D
2 x 4 RE/4	4.610	51	14.0	320	1,000 D
3 x 4 RE/4	4.610	42	15.0	380	1,000 D
4 x 4 RE/4	4.610	42	16.0	440	1,000 D
5 x 4 RE/4	4.610	42	17.9	525	1,000 D
7 x 4 RE/4	4.610	28	18.0	595	500 D
2 x 6 RE/6	3.080	64	15.0	410	500 D
3 x 6 RE/6	3.080	53	16.0	470	500 D
4 x 6 RE/6	3.080	53	17.0	550	500 D
5 x 6 RE/6	3.080	53	18.2	650	500 D
2 x 10 RE/10	1.830	86	17.0	550	500 D
3 x 10 RE/10	1.830	74	18.0	640	500 D
4 x 10 RE/10	1.830	74	19.0	760	500 D
5 x 10 RE/10	1.830	74	20.2	840	500 D
2 x 16 RM/16	1.150	110	20.6	785	500 D
3 x 16 RM/16	1.150	98	21.7	829	500 D
4 x 16 RM/16	1.150	98	22.8	1,070	500 D
5 x 16 RM/16	1.150	98	23.6	1,210	500 D
3 x 25 RM/16	0.727	133	25.4	1,290	500 D
4 x 25 RM/16	0.727	133	28.0	1,700	500 D
3 x 35 RM/16	0.524	162	28.2	1,730	500 D
4 x 35 RM/16	0.524	162	31.0	2,150	500 D
3 x 50 SM/25	0.387	197	31.3	1,990	500 D
4 x 50 SM/25	0.387	197	34.0	2,600	500 D
3 x 70 SM/35	0.268	250	37.0	2,830	500 D
4 x 70 SM/35	0.268	250	40.0	3,550	500 D
3 x 95 SM/50	0.193	308	40.8	4,350	500 D
4 x 95 SM/50	0.193	308	45.0	4,800	500 D
3 x 120 SM/70	0.153	359	44.6	5,270	500 D
4 x 120 SM/70	0.153	359	51.0	6,500	500 D
3 x 150 SM/70	0.124	412	48.0	5,450	300 D
4 x 150 SM/70	0.124	412	56.0	7,950	300 D
3 x 185 SM/95	0.099	475	53.0	6,800	300 D
4 x 185 SM/95	0.099	475	60.4	9,970	300 D
3 x 240 SM/120	0.075	564	60.0	8,900	300 D
4 x 240 SM/120	0.075	564	68.0	12,900	300 D

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