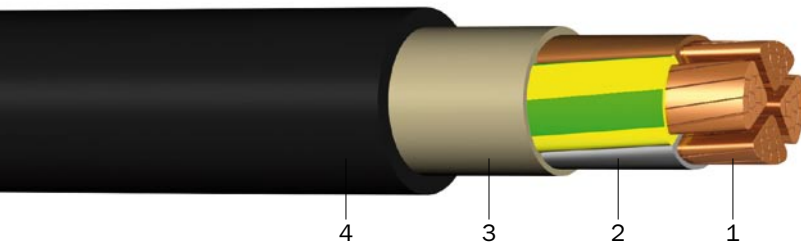


N2XY

Underground cable with XLPE insulation and PVC sheath

DESIGN



- 1 | Copper conductor, round solid (RE), round stranded (RM), resp. sector-shaped stranded (SM)
- 2 | Core insulation (XLPE)
- 3 | Inner covering (EPDM)
- 4 | Sheath (PVC black, UV resistant)

APPLICATION

Power distribution cables in power stations, industrial installations and switchgears, as well as in local mains. For fixed installation underground, in interior premises, cable ducts, in the open air, in water – as permitted by the local building regulations – if no risk of any mechanical damage is to be expected.

TECHNICAL DATA



Standard:
DIN VDE 0276-603 (HD 603)



Rated voltage:
0.6/1 kV



Test voltage:
4 kV/50 Hz



Temperature range:
 laying temperature: min. $-5\text{ }^{\circ}\text{C}$
 operating temperature: $-50\text{ }^{\circ}\text{C}$ up to $+90\text{ }^{\circ}\text{C}$
 conductor temperature: max. $+90\text{ }^{\circ}\text{C}$
 short-circuit temperature: max. $+250\text{ }^{\circ}\text{C}/5\text{ s}$



Bending radius (min.):
 $15 \times \varnothing$ of cable (single core)
 $12 \times \varnothing$ of cable (multi-core)



Core identification:
HD 308 S2



Fire properties:
 flame retardant:
 EN 60332-1-2

Number of cores x nominal cross section (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the ground ¹⁾ (A)	Current rating in the air ¹⁾ (A)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
N2XY						
1 x 10 RE	1.830	136	99	8.9	190	500 D, 1,000 D
1 x 16 RE	1.150	176	131	10.0	230	500 D, 1,000 D
4 x 16 RM	1.150	112	98	22.0	1,065	1,000 D
1 x 25 RM	0.727	229	177	12.1	350	500 D, 1,000 D
4 x 25 RM	0.727	145	133	26.7	1,580	1,000 D
1 x 35 RM	0.524	275	217	13.1	445	500 D, 1,000 D
4 x 35 RM	0.524	174	162	29.3	2,060	1,000 D
1 x 50 RM	0.387	326	265	14.6	575	500 D, 1,000 D
4 x 50 SM	0.387	206	197	34.4	2,470	1,000 D
1 x 70 RM	0.268	400	336	16.5	780	500 D, 1,000 D
4 x 70 SM	0.268	254	250	38.1	3,330	1,000 D
1 x 95 RM	0.193	480	415	18.2	1,030	500 D, 1,000 D
4 x 95 SM	0.193	305	308	43.2	4,500	500 D
1 x 120 RM	0.153	548	485	19.9	1,280	500 D, 1,000 D
4 x 120 SM	0.153	348	359	46.6	5,510	500 D
1 x 150 RM	0.124	616	557	22.1	1,560	500 D, 1,000 D

N2XY

Number of cores x nominal cross section (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the ground ¹⁾ (A)	Current rating in the air ¹⁾ (A)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/ packing (m)
N2XY						
4 x 150 SM	0.124	392	412	48.6	6,690	500 D
1 x 185 RM	0.099	698	646	24.2	1,920	500 D, 1,000 D
4 x 185 SM	0.099	444	475	50.4	7,340	500 D
1 x 240 RM	0.075	815	774	26.9	2,500	500 D, 1,000 D
4 x 240 SM	0.075	517	564	55.2	9,610	500 D
1 x 300 RM	0.060	927	901	29.4	3,100	500 D, 1,000 D
1 x 400 RM	0.047	1,064	1,060	32.6	3,920	500 D, 1,000 D
1 x 500 RM	0.037	1,227	1,252	36.4	4,970	500 D, 1,000 D
1 x 630 RM	0.028	1,421	1,486	41.1	6,400	500 D, 1,000 D

1) basic rated current acc. to DIN VDE 0276-603 (HD 603)
Subject to technical changes.