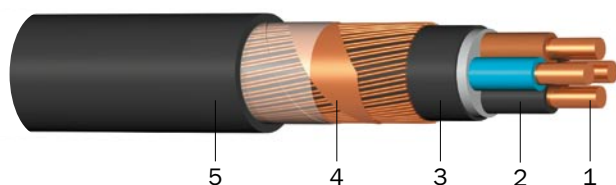


NYCY

Underground cable with PVC insulation and PVC sheath, screened
Standard: VDE 0276-603

Usage:

Power distribution cables in power stations, industrial installations and switchgear, as well as in local mains. For fixed installation in interior premises, cable ducts, in the open air, in water – as permitted by the local building regulations – when protection against shock hazard voltages in the event of mechanical damage or electrical screening is required.



Construction:

- 1 Copper conductor, round solid (RE)
- 2 Core insulation (PVC)
- 3 Inner covering (EPDM and PVC)
- 4 Concentric screen (bare copper wires) and counter helix (copper tape)
- 5 Sheath (PVC black, UV-resistant)



Rated voltage: 0.6/1 kV



Test voltage: 4000 Veff



Temperature range:

laying temperature: min. –15 °C
 operating temperature: –30 °C to +70 °C
 conductor temperature: max. +70 °C
 short-circuit temperature: max. +160 °C/5 s



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



Core identification: coloured (HD 308 S2)



Fire properties:

flame retardant (EN 50265-2-1, IEC 60332-1)



Test certificate: VDE Germany

Number of cores x nominal cross section/cross section of screen (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.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lengths/packing (m)
NYCY							
2 x 1.5 RE/1.5	12.1	32	27	13	54	210	1000 T
3 x 1.5 RE/1.5	12.1	27	19	14	69	220	1000 T
4 x 1.5 RE/1.5	12.1	27	19	14	84	260	1000 T
5 x 1.5 RE/1.5	12.1	27	19	15	98	324	1000 T
7 x 1.5 RE/2.5	12.1	15	12	16	137	350	1000 T
8 x 1.5 RE/2.5	12.1	15	12	17	152	460	1000 T
10 x 1.5 RE/2.5	12.1	13	10	19	49	420	1000 T
12 x 1.5 RE/2.5	12.1	11	9	20	49	480	1000 T
14 x 1.5 RE/2.5	12.1	11	9	21	49	530	1000 T
16 x 1.5 RE/4	12.1	10	8	22	64	700	1000 T
19 x 1.5 RE/4	12.1	10	8	23	64	670	1000 T
24 x 1.5 RE/6	12.1	9	7	26	98	870	1000 T
30 x 1.5 RE/6	12.1	7	6	27	113	1,250	1000 T
40 x 1.5 RE/10	12.1	7	6	30	167	1,560	500 T
2 x 2.5 RE/2.5	7.41	43	31	14	84	260	1000 T
3 x 2.5 RE/2.5	7.41	36	26	15	108	290	1000 T

NYCY

Number of cores x nominal cross section/cross section of screen (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.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lengths/packing (m)
NYCY							
4 x 2.5 RE/2.5	7.41	36	26	15	133	340	1000 T
5 x 2.5 RE/2.5	7.41	36	26	16	157	390	1000 T
7 x 2.5 RE/2.5	7.41	20	16	17	206	450	1000 T
8 x 2.5 RE/2.5	7.41	20	16	18	231	570	1000 T
10 x 2.5 RE/4	7.41	17	13	21	74	610	1000 T
12 x 2.5 RE/4	7.41	15	12	22	74	670	1000 T
14 x 2.5 RE/6	7.41	15	12	23	93	750	1000 T
16 x 2.5 RE/6	7.41	13	11	24	93	900	1000 T
19 x 2.5 RE/6	7.41	13	11	25	93	950	1000 T
24 x 2.5 RE/10	7.41	12	10	28	157	1,420	1000 T
30 x 2.5 RE/10	7.41	10	8	30	182	1,600	1000 T
40 x 2.5 RE/10	7.41	10	8	33	206	2,000	500 T
2 x 4 RE/4	4.61	56	41	16	128	350	1000 T
3 x 4 RE/4	4.61	47	34	16	167	400	1000 T
4 x 4 RE/4	4.61	47	34	17	206	470	1000 T
7 x 4 RE/4	4.61	29	20	20	324	600	1000 T
3 x 6 RE/6	3.08	59	44	18	245	500	1000 T
4 x 6 RE/6	3.08	59	44	19	304	590	1000 T

1) basic rated current acc. to VDE 0276-630

Subject to technical changes.