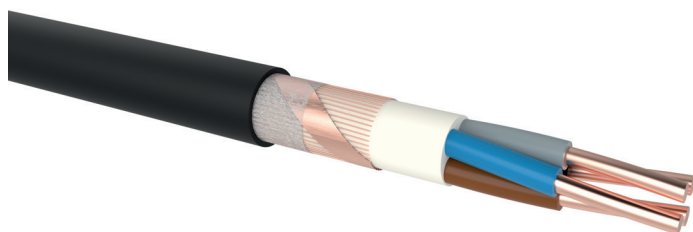


## NYCY

PVC/PVC underground cable, screened

### DESIGN



- 1 | Copper conductor, round solid (RE)
- 2 | Core insulation (PVC)
- 3 | Inner covering (EPDM)
- 4 | Screen (bare copper wires and counter helix, optionally plastic foil)
- 5 | Sheath (PVC black, UV-resistant)

### APPLICATION

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

### TECHNICAL DATA



**Standard:**  
DIN VDE 0276-603  
DIN VDE 0276-627



**Rated voltage:**  
0.6/1 kV (U<sub>0</sub>/U)



**Test voltage:**  
4 kV / 50 Hz



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



**Fire properties:**  
EN 60332-1-2: flame retardant  
CPR classification: E<sub>ca</sub>



**Certificate:**  
VDE Germany

Number of cores x nominal cross-section / cross section of screen (mm <sup>2</sup> )	Max. conductor resistance (Ω/km)	Current rating in the earth (A)	Current rating in the air (A)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
<b>NYCY</b>						
2 x 1.5 RE/1.5	12.1	32	27	12.0	205	1000 D
3 x 1.5 RE/1.5	12.1	27	19	12.4	235	1000 D
4 x 1.5 RE/1.5	12.1	27	19	14.0	330	1000 D
5 x 1.5 RE/1.5	12.1	27	19	14.0	360	1000 D
7 x 1.5 RE/2.5	12.1	15	12	15.0	430	1000 D
8 x 1.5 RE/2.5	12.1	15	12	17.0	460	1000 D
10 x 1.5 RE/2.5	12.1	13	10	18.1	480	1000 D
12 x 1.5 RE/2.5	12.1	11	9	18.2	530	1000 D
14 x 1.5 RE/2.5	12.1	11	9	18.9	580	1000 D
16 x 1.5 RE/4	12.1	10	8	19.5	650	1000 D
19 x 1.5 RE/4	12.1	10	8	20.8	730	1000 D
24 x 1.5 RE/6	12.1	9	7	24.0	910	1000 D
30 x 1.5 RE/6	12.1	7	6	25.2	1050	1000 D
40 x 1.5 RE/10	12.1	7	6	28.3	1350	500 D

## NYCY

PVC/PVC underground cable, screened

Number of cores x nominal cross-section / cross section of screen (mm <sup>2</sup> )	Max. conductor resistance (Ω/km)	Current rating in the earth (A)	Current rating in the air (A)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
<b>NYCY</b>						
61 x 1.5 RE/10	12.1	7	6	33.4	2000	1000 D
2 x 2.5 RE/2.5	7.41	43	31	13.0	265	1000 D
3 x 2.5 RE/2.5	7.41	36	26	13.5	360	1000 D
4 x 2.5 RE/2.5	7.41	36	26	14.5	340	1000 D
5 x 2.5 RE/2.5	7.41	36	26	15.5	400	1000 D
7 x 2.5 RE/2.5	7.41	20	16	16.5	460	1000 D
8 x 2.5 RE/2.5	7.41	20	16	18.0	570	1000 D
10 x 2.5 RE/4	7.41	17	13	19.6	640	1000 D
12 x 2.5 RE/4	7.41	15	12	20.0	700	1000 D
14 x 2.5 RE/6	7.41	15	12	21.1	800	1000 D
16 x 2.5 RE/6	7.41	13	11	22.5	880	1000 D
19 x 2.5 RE/6	7.41	13	11	23.2	980	1000 D
24 x 2.5 RE/10	7.41	12	10	26.8	1230	1000 D
30 x 2.5 RE/10	7.41	10	8	28.3	1460	1000 D
40 x 2.5 RE/10	7.41	10	8	31.3	1840	1000 D
2 x 4 RE/4	4.61	56	41	14.9	360	1000 D
3 x 4 RE/4	4.61	47	34	16.0	420	1000 D
4 x 4 RE/4	4.61	47	34	16.7	500	1000 D
7 x 4 RE/4	4.61	29	20	19.0	670	1000 D
2 x 6 RE/6	3.08	59	44	16.0	440	1000 D
3 x 6 RE/6	3.08	59	44	17.0	500	1000 D
4 x 6 RE/6	3.08	59	44	18.0	590	1000 D

Technical changes reserved. All figures are therefore without guarantee.

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