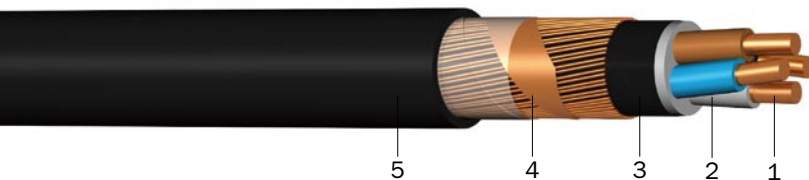


# NYCY

## Underground cable with PVC insulation and PVC sheath, screened

### DESIGN



- 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) and plastic tape
- 5 | Sheath (PVC black, UV-resistant)

### APPLICATION

Power distribution and control 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 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 (HD 603)



**Rated voltage:**  
0.6/1 kV



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



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



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



**Certificate:**  
CU-TR Russia, Belarus and Kazakhstan

Number of cores x nominal cross section/cross section of screen (mm <sup>2</sup> )	Max. conductor resistance (Ω/km)	Current rating in the ground <sup>1)</sup> (A)	Current rating in the air <sup>1)</sup> (A)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
NYCY						
2 x 1.5 RE/1.5	12.100	32	27	13.0	210	1,000 D
3 x 1.5 RE/1.5	12.100	27	19	14.0	220	1,000 D
4 x 1.5 RE/1.5	12.100	27	19	14.0	260	1,000 D
5 x 1.5 RE/1.5	12.100	27	19	15.0	325	1,000 D
7 x 1.5 RE/2.5	12.100	15	12	16.0	350	1,000 D
8 x 1.5 RE/2.5	12.100	15	12	17.0	460	1,000 D
10 x 1.5 RE/2.5	12.100	13	10	19.0	420	1,000 D
12 x 1.5 RE/2.5	12.100	11	9	20.0	480	1,000 D
14 x 1.5 RE/2.5	12.100	11	9	21.0	530	1,000 D
16 x 1.5 RE/4	12.100	10	8	22.0	700	1,000 D
19 x 1.5 RE/4	12.100	10	8	23.0	670	1,000 D
24 x 1.5 RE/6	12.100	9	7	26.0	870	1,000 D
30 x 1.5 RE/6	12.100	7	6	27.0	1,250	1,000 D
40 x 1.5 RE/10	12.100	7	6	30.0	1,560	500 D

## NYCY

Number of cores x nominal cross section/cross section of screen (mm <sup>2</sup> )	Max. conductor resistance (Ω/km)	Current rating in the ground <sup>1)</sup> (A)	Current rating in the air <sup>1)</sup> (A)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
<b>NYCY</b>						
2 x 2.5 RE/2.5	7.410	43	31	14.0	260	1,000 D
3 x 2.5 RE/2.5	7.410	36	26	15.0	290	1,000 D
4 x 2.5 RE/2.5	7.410	36	26	15.0	340	1,000 D
5 x 2.5 RE/2.5	7.410	36	26	16.0	390	1,000 D
7 x 2.5 RE/2.5	7.410	20	16	17.0	450	1,000 D
8 x 2.5 RE/2.5	7.410	20	16	18.0	570	1,000 D
10 x 2.5 RE/4	7.410	17	13	21.0	610	1,000 D
12 x 2.5 RE/4	7.410	15	12	22.0	670	1,000 D
14 x 2.5 RE/6	7.410	15	12	23.0	750	1,000 D
16 x 2.5 RE/6	7.410	13	11	24.0	900	1,000 D
19 x 2.5 RE/6	7.410	13	11	25.0	950	1,000 D
24 x 2.5 RE/10	7.410	12	10	28.0	1,420	1,000 D
30 x 2.5 RE/10	7.410	10	8	30.0	1,600	1,000 D
40 x 2.5 RE/10	7.410	10	8	33.0	2,000	500 D
2 x 4 RE/4	4.610	56	41	16.0	350	1,000 D
3 x 4 RE/4	4.610	47	34	16.0	400	1,000 D
4 x 4 RE/4	4.610	47	34	17.0	470	1,000 D
7 x 4 RE/4	4.610	29	20	20.0	600	1,000 D
3 x 6 RE/6	3.080	59	44	18.0	500	1,000 D
4 x 6 RE/6	3.080	59	44	19.0	590	1,000 D

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