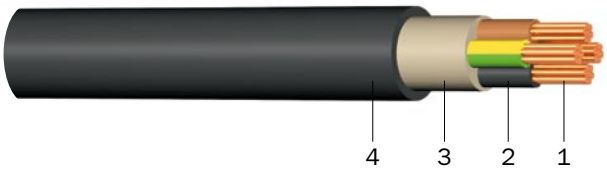
NYY

Underground cable with PVC insulation and PVC sheath
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 – if no risk of any mechanical damage is to be expected.



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

Rated voltage: 0.6/1 kV

Test voltage: 4000 Veff

Temperature range:
laying temperature: min. –5 °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 ∅ of cable

Core identification: coloured (HD 308 S2)

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

Test certificate: EZÚ Czech Republic, VDE Germany, BBJ Poland

Number of cores x nominal cross section (mm²)	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 lenghts/ packing (m)
NYY							
2 x 1.5 RE	12.100	30	21	11.5	29	160	1000 T
3 x 1.5 RE	12.100	27	19	12.0	44	204	1000 T
4 x 1.5 RE	12.100	27	19	12.8	59	237	1000 T
5 x 1.5 RE	12.100	27	19	14.7	74	277	1000 T
2 x 2.5 RE	7.4100	39	28	12.3	49	234	1000 T
3 x 2.5 RE	7.4100	36	25	12.5	74	260	1000 T
4 x 2.5 RE	7.4100	36	25	13.8	98	307	1000 T
5 x 2.5 RE	7.4100	36	25	14.8	123	343	1000 T
2 x 4 RE	4.6100	50	37	14.1	78	312	1000 T
3 x 4 RE	4.6100	47	34	14.5	118	351	1000 T
4 x 4 RE	4.6100	47	34	15.8	157	425	1000 T
5 x 4 RE	4.6100	47	34	16.2	196	493	1000 T
2 x 6 RE	3.0800	62	47	15.1	118	389	1000 T
3 x 6 RE	3.0800	59	43	15.5	176	429	1000 T
4 x 6 RE	3.0800	59	43	17.1	235	523	1000 T
5 x 6 RE	3.0800	59	43	18.5	294	613	1000 T
2 x 10 RE	1.8300	83	64	17.0	196	546	1000 T
3 x 10 RE	1.8300	79	59	17.5	294	600	1000 T
4 x 10 RE	1.8300	79	59	19.0	392	740	1000 T

NYY

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.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lenghts/ packing (m)
NYY							
4 x 10 RM	1.8300	79	59	20.5	392	789	1000 T
5 x 10 RE	1.8300	79	59	20.6	490	884	1000 T
3 x 16 RE	1.1500	107	84	19.0	470	810	1000 T
4 x 16 RE	1.1500	102	79	22.0	627	1,039	1000 T
4 x 16 RM	1.1500	102	79	23.0	627	1,054	1000 T
5 x 16 RE	1.1500	102	79	24.5	784	1,227	1000 T
4 x 25 RM	0.7270	133	106	26.7	960	1,550	1000 T
5 x 25 RM	0.7270	133	106	29.9	1,225	1,920	1000 T
4 x 35 RM	0.5240	159	129	29.6	1,372	2,007	1000 T
4 x 50 SM	0.3870	188	157	34.4	1,960	2,442	1000 T
4 x 70 SM	0.2680	232	199	43.0	2,744	3,287	500 T
4 x 95 SM	0.1930	280	246	46.6	3,724	4,543	500 T
4 x 120 SM	0.1530	318	285	46.6	4,704	5,565	500 T
4 x 150 SM	0.1240	359	326	50.4	5,880	6,713	500 T
4 x 185 SM	0.0991	406	374	57.0	7,252	8,560	500 T
4 x 240 SM	0.0754	473	445	63.2	9,408	11,140	500 T

1) basic rated current acc. to VDE 0276-603

Subject to technical changes.