

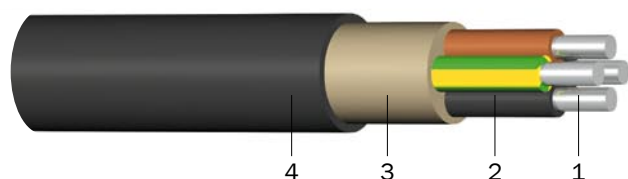
(N)AY2Y

Underground cable with PVC insulation and HDPE sheath

Standard: TP PRAKAB 12/03

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 Aluminium conductor, round solid (RE), sector-shaped solid (SE), round stranded (RM) resp. sector-shaped stranded (SM)
- 2 Core insulation (PVC)
- 3 Inner covering (EPDM)
- 4 Sheath (HDPE 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 Ø of cable



Core identification: coloured (HD 308 S2)



Test certificate: EZÚ Czech Republic

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 lengths/packing (m)
(N)AY2Y							
4 x 25 RE	1.200	102	82	25.5	290	924	1000 T
4 x 25 RM	1.200	102	82	26.7	290	987	1000 T
4 x 35 RE	0.868	123	100	27.8	406	1,120	1000 T
4 x 35 RM	0.868	123	100	29.3	406	1,200	1000 T
4 x 50 SE	0.641	144	119	31.9	580	1,228	1000 T
4 x 50 SM	0.641	144	119	34.4	580	1,334	1000 T
4 x 70 SE	0.443	179	152	36.1	812	1,590	1000 T
4 x 70 SM	0.443	179	152	38.0	812	1,700	1000 T
4 x 95 SE	0.320	215	186	40.3	1,102	2,084	1000 T
4 x 95 SM	0.320	215	186	43.0	1,102	2,229	1000 T
4 x 120 SE	0.253	245	216	43.5	1,392	2,533	1000 T
4 x 120 SM	0.253	245	216	46.6	1,392	2,697	1000 T
4 x 150 SE	0.206	275	246	47.7	1,740	3,010	500 T
4 x 150 SM	0.206	275	246	50.4	1,740	3,186	500 T
4 x 185 SE	0.164	313	285	52.7	2,146	3,574	500 T
4 x 185 SM	0.164	313	285	57.0	2,146	3,989	500 T
4 x 240 SE	0.125	364	338	58.2	2,784	4,694	500 T
4 x 240 SM	0.125	364	338	63.2	2,784	4,972	500 T

1) basic rated current acc. to TP PRAKAB 12/03

Subject to technical changes.