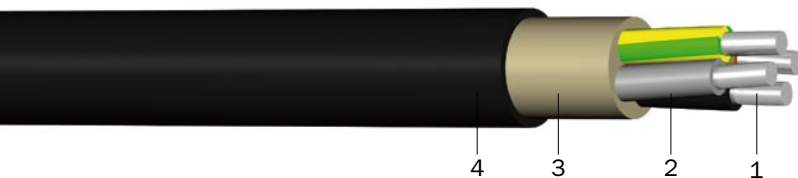


# NAY2Y

## Underground cable with PVC insulation and HDPE sheath

### DESIGN



- 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)

### APPLICATION

Power distribution 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, in water – as permitted by the local building regulations – under severe mechanical stressing during installation and operation.

### 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.  $-5\text{ }^{\circ}\text{C}$   
 operating temperature:  $-50\text{ }^{\circ}\text{C}$  up to  $+70\text{ }^{\circ}\text{C}$   
 conductor temperature: max.  $+70\text{ }^{\circ}\text{C}$   
 short-circuit temperature: max.  $+160\text{ }^{\circ}\text{C}/5\text{ s}$



**Bending radius (min.):**  
 $12 \times \varnothing$  of cable



**Core identification:**  
HD 308 S2



**Certificate:**  
EZÚ Czech Republic

Number of cores x nominal cross section (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)
NAY2Y						
4 x 25 RE	1.200	102	82	25.5	925	1,000 D
4 x 25 RM	1.200	102	82	26.7	990	1,000 D
4 x 35 RE	0.868	123	100	27.8	1,120	1,000 D
4 x 35 RM	0.868	123	100	29.3	1,200	1,000 D
4 x 50 SE	0.641	144	119	31.9	1,230	1,000 D
4 x 50 SM	0.641	144	119	34.4	1,340	1,000 D
4 x 70 SE	0.443	179	152	36.1	1,590	1,000 D
4 x 70 SM	0.443	179	152	38.0	1,700	1,000 D
4 x 95 SE	0.320	215	186	40.3	2,090	1,000 D
4 x 95 SM	0.320	215	186	43.0	2,230	1,000 D
4 x 120 SE	0.253	245	216	43.5	2,540	1,000 D
4 x 120 SM	0.253	245	216	46.6	2,700	1,000 D
4 x 150 SE	0.206	275	246	47.7	3,010	500 D
4 x 150 SM	0.206	275	246	50.4	3,190	500 D
4 x 185 SE	0.164	313	285	52.7	3,580	500 D
4 x 185 SM	0.164	313	285	57.0	3,990	500 D
4 x 240 SE	0.125	364	338	58.2	4,700	500 D
4 x 240 SM	0.125	364	338	63.2	4,980	500 D

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