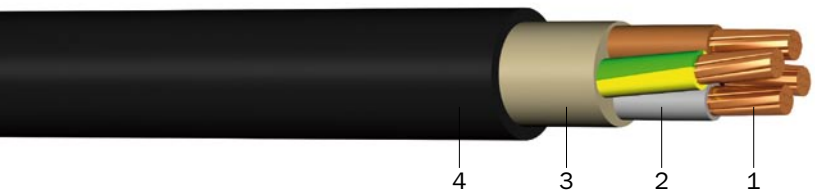
SCHWECHATER KABELWERKE

NY2Y

Underground cable with PVC insulation and HDPE sheath

DESIGN



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

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 up 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:
HD 308 S2

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 and in water – as permitted by the local building regulations – under severe mechanical stress during installation and operation.

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.	Total weight (kg/km) ca.	Standard lengths/ packing (m)
NY2Y						
4 x 25 RM	0.727	133	106	26.7	1,480	1,000 D
5 x 25 RM	0.727	133	106	29.9	1,830	1,000 D
4 x 35 RM	0.524	159	129	29.6	1,910	1,000 D
4 x 50 SM	0.387	188	157	34.4	2,330	1,000 D
4 x 70 SM	0.268	232	199	43.0	3,130	500 D
4 x 95 SM	0.193	280	246	46.6	4,320	500 D
4 x 120 SM	0.153	318	285	46.6	5,290	500 D
4 x 150 SM	0.124	359	326	50.4	6,390	500 D
4 x 185 SM	0.099	406	374	57.0	8,140	500 D
4 x 240 SM	0.075	473	445	63.2	10,590	500 D

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