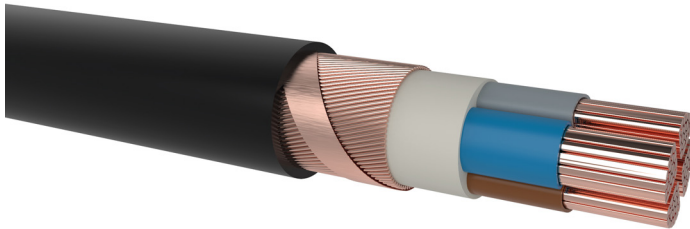


NYCWY

PVC/PVC underground cable, screened

DESIGN



- 1 | Copper conductor, round solid (RE), round stranded (RM) resp. sector-shaped stranded (SM)
- 2 | Core insulation (PVC)
- 3 | Inner covering (EPDM)
- 4 | Schirm (blanke Kupferdrähte, aufgebracht mit wechselnder Schlagrichtung und Querleitwendel bzw. optional Kunststoffolie)
- 5 | Sheath (PVC black, UV-resistant)

APPLICATION

Power distribution cables in power stations, industrial installations and switch gears, as well as in local mains. For fixed installation under ground, 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



Rated voltage:
0.6/1 kV (U₀/U)



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.):
 15 x Ø of cable (single core)
 12 x Ø of cable (multi core)



Core identification:
HD 308 S2



Fire properties:
 EN 60332-1-2: flame retardant
 CPR classification: E_{ca}



Certificate:
VDE Germany

Number of cores x nominal cross-section / cross-section of screen (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the earth (A)	Current rating in the air (A)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
NYCWY						
2 x 10 RE/10	1.83	95	72	19.0	645	1000 D
3 x 10 RE/10	1.83	79	60	21.5	855	1000 D
4 x 10 RE/10	1.83	79	60	22.0	915	1000 D
2 x 16 RE/16	1.15	122	95	22.0	890	1000 D
3 x 16 RE/16	1.15	102	80	24.0	1020	1000 D
4 x 16 RE/16	1.15	102	80	25.5	1310	1000 D
3 x 25 RM/16	0.727	133	108	26.0	1440	1000 D
3 x 25 RM/25	0.727	133	108	26.5	1530	1000 D
4 x 25 RM/16	0.727	133	108	28.0	1710	1000 D
3 x 35 SM/16	0.524	160	132	28.0	1590	1000 D
3 x 35 SM/35	0.524	160	132	29.0	1950	1000 D
4 x 35 SM/16	0.524	160	132	31.5	1990	1000 D
3 x 50 SM/25	0.387	190	160	32.0	2120	1000 D
3 x 50 SM/50	0.387	190	160	32.5	2330	1000 D

NYCWY

PVC/PVC underground cable, screened

Number of cores x nominal cross-section / cross-section of screen (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the earth (A)	Current rating in the air (A)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
NYCWY						
4 x 50 SM/25	0.387	190	160	36.0	2690	1000 D
3 x 70 SM/35	0.268	234	202	36.0	2940	1000 D
3 x 70 SM/70	0.268	234	202	36.5	3260	1000 D
4 x 70 SM/35	0.268	234	202	40.5	3650	1000 D
3 x 95 SM/50	0.193	280	249	40.5	3870	1000 D
3 x 95 SM/95	0.193	280	249	41.5	4320	1000 D
4 x 95 SM/50	0.193	280	249	46.0	5010	500 D
3 x 120 SM/70	0.153	319	289	44.0	4780	500 D
3 x 120 SM/120	0.153	319	289	46.0	5260	500 D
4 x 120 SM/70	0.153	319	289	50.0	6740	500 D
3 x 150 SM/70	0.124	357	329	48.5	5870	500 D
3 x 150 SM/150	0.124	357	329	50.0	6610	500 D
4 x 150 SM/70	0.124	357	329	56.0	7990	500 D
3 x 185 SM/95	0.0991	402	377	52.5	8120	500 D
4 x 185 SM/95	0.0991	402	377	59.5	9310	500 D
3 x 240 SM/120	0.0754	463	443	59.0	9320	500 D
4 x 240 SM/120	0.0754	463	443	66.0	12110	500 D
1 x 300 RM/35	0.0601	518	504	34.3	3760	1000 D
4 x 300 SM/150	0.0601	535	511	69.6	15331	500 D

Technical changes reserved. All figures are therefore without guarantee.

29.8.2022, 15:31