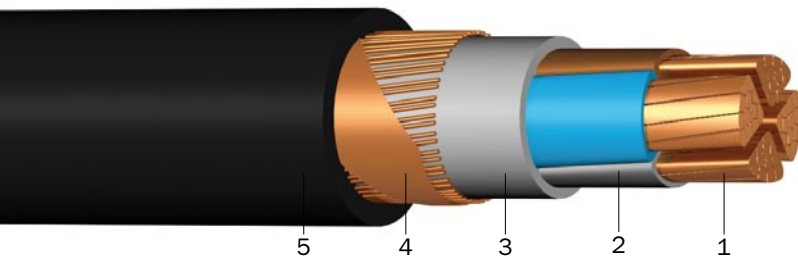


NYCWY

Underground cable with PVC insulation and PVC sheath, 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 | Concentric screen (bare copper wires applied with changing direction of lay) and counter helix (copper tape)
- 5 | Sheath (PVC 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 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. The concentric ear-ear conductor can be used as PE or PEN conductor and needs not be cut when assembling branch joints.

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



Core identification:
HD 308 S2



Fire properties:
 flame retardant:
 EN 60332-1-2



Certificate:
VDE Germany, GOST-R Russia

Number of cores x nominal cross section/cross section of screen (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.	Total weight (kg/km) ca.	Standard lengths/packing (m)
NYCWY						
2 x 10 RE/10	1.830	95	72	19.0	645	1,000 D
3 x 10 RE/10	1.830	79	60	21.5	855	1,000 D
4 x 10 RE/10	1.830	79	60	22.0	915	1,000 D
2 x 16 RE/16	1.150	122	95	22.0	890	1,000 D
3 x 16 RE/16	1.150	102	80	24.0	1,020	1,000 D
4 x 16 RE/16	1.150	102	80	25.5	1,310	1,000 D
3 x 25 RM/16	0.727	133	108	26.0	1,440	1,000 D
3 x 25 RM/25	0.727	133	108	26.5	1,530	1,000 D
4 x 25 RM/16	0.727	133	108	28.0	1,710	1,000 D
3 x 35 SM/16	0.524	160	132	28.0	1,590	1,000 D

NYCWY

Number of cores x nominal cross section/cross section of screen (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.	Total weight (kg/km) ca.	Standard lengths/packing (m)
NYCWY						
3 x 35 SM/35	0.524	160	132	29.0	1,950	1,000 D
4 x 35 SM/16	0.524	160	132	31.5	1,990	1,000 D
3 x 50 SM/25	0.387	190	160	32.0	2,120	1,000 D
3 x 50 SM/50	0.387	190	160	32.5	2,330	1,000 D
4 x 50 SM/25	0.387	190	160	36.0	2,690	1,000 D
3 x 70 SM/35	0.268	234	202	36.0	2,940	1,000 D
3 x 70 SM/70	0.268	234	202	36.5	3,260	1,000 D
4 x 70 SM/35	0.268	234	202	40.5	3,650	1,000 D
3 x 95 SM/50	0.193	280	249	40.5	3,870	1,000 D
3 x 95 SM/95	0.193	280	249	41.5	4,320	1,000 D
4 x 95 SM/50	0.193	280	249	46.0	5,010	500 D
3 x 120 SM/70	0.153	319	289	44.0	4,780	500 D
3 x 120 SM/120	0.153	319	289	46.0	5,260	500 D
4 x 120 SM/70	0.153	319	289	50.0	6,740	500 D
3 x 150 SM/70	0.124	357	329	48.5	5,870	500 D
3 x 150 SM/150	0.124	357	329	50.0	6,610	500 D
4 x 150 SM/70	0.124	357	329	56.0	7,990	500 D
3 x 185 SM/95	0.099	402	377	52.5	8,120	500 D
4 x 185 SM/95	0.099	402	377	59.5	9,310	500 D
3 x 240 SM/120	0.075	463	443	59.0	9,320	500 D
4 x 240 SM/120	0.075	463	443	66.0	12,110	500 D
1 x 240 RM/120	0.075	463	443	33.0	4,021	1,000 D

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