

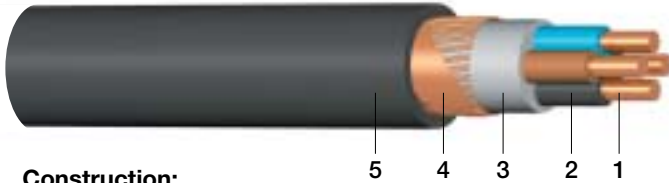
NYCWY

Underground cable with PVC insulation and PVC sheath, screened

Standard: VDE 0276-603

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 – when protection against shock hazard voltages in the event of mechanical damage is required. The concentric Ceander conductor can be used as PE or PEN conductor and must not be cut when assembling branch tees.



Construction:

- 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)



Rated voltage: 0.6/1 kV



Test voltage: 4000 Veff



Temperature range:

laying temperature: min. -15 °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 (VDE 0293)



Fire properties:

flame retardant (EN 50265-2-1, IEC 60332-1)



Test 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 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)
NYCWY							
2 x 10 RE/10	1.8300	95	72	19.0	304	643	1000 T
3 x 10 RE/10	1.8300	79	60	22.0	402	854	1000 T
4 x 10 RE/10	1.8300	79	60	21.5	500	913	1000 T
2 x 16 RE/16	1.1500	122	95	22.0	485	889	1000 T
3 x 16 RE/16	1.1500	102	80	22.0	642	1,020	1000 T
4 x 16 RE/16	1.1500	102	80	25.5	799	1,309	1000 T
3 x 25 RM/16	0.7270	133	108	26.0	907	1,438	1000 T
3 x 25 RM/25	0.7270	133	108	26.5	995	1,524	1000 T
4 x 25 RM/16	0.7270	133	108	28.0	1,152	1,709	1000 T
3 x 35 SM/16	0.5240	160	132	28.0	1,201	1,583	1000 T
3 x 35 SM/35	0.5240	160	132	29.0	1,387	1,947	1000 T
4 x 35 SM/16	0.5240	160	132	31.5	1,544	1,990	1000 T
3 x 50 SM/25	0.3870	190	160	32.0	1,730	2,112	1000 T
3 x 50 SM/50	0.3870	190	160	32.5	1,975	2,326	1000 T
4 x 50 SM/25	0.3870	190	160	36.0	2,220	2,688	1000 T
3 x 70 SM/35	0.2680	234	202	36.0	2,416	2,931	1000 T
3 x 70 SM/70	0.2680	234	202	36.5	2,759	3,255	1000 T
4 x 70 SM/35	0.2680	234	202	40.5	3,102	3,650	1000 T
3 x 95 SM/50	0.1930	280	249	40.5	3,303	3,867	1000 T
3 x 95 SM/95	0.1930	280	249	41.5	3,744	4,317	1000 T
4 x 95 SM/50	0.1930	280	249	46.0	4,234	5,001	500 T

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NYCWY							
3 x 120 SM/70	0.1530	319	289	44.0	4,234	4,778	500 T
3 x 120 SM/120	0.1530	319	289	44.0	4,724	5,255	500 T
4 x 120 SM/70	0.1530	319	289	50.0	5,410	6,736	500 T
3 x 150 SM/70	0.1240	357	329	48.5	5,116	5,863	500 T
3 x 150 SM/150	0.1240	357	329	50.0	5,900	6,608	500 T
4 x 150 SM/70	0.1240	357	329	56.0	6,586	7,985	500 T
3 x 185 SM/95	0.0991	402	377	52.5	6,390	8,120	500 T
4 x 185 SM/95	0.0991	402	377	59.5	8,203	9,305	500 T
3 x 240 SM/120	0.0754	463	443	59.0	8,252	9,312	500 T
4 x 240 SM/120	0.0754	463	443	66.0	10,604	12,105	500 T
1 x 300 RM/35	0.0601	518	504	34.3	3,303	3,759	1000 T

1) basic rated current acc. to VDE 0276-630
Subject to technical changes.