



## USE OF CABLE

power cable for use in generating plants, industrial facilities, switching stations, in local networks and power supply industry. Use predominantly for laying underground, indoor-and outdoor-use, cable channels and in water when increased mechanical protection resp. contact protection in case of failure is required.



## SPECIAL FEATURES

- 0,6/1 kV operating voltage 4 kV testing voltage
- UV-resistant
- no hood termination necessary when laying in dry rooms
- use of concentric undulated CEANDER copper conductor as shield, neutral conductor or earth conductor is permitted but not as outer conductor
- any branch connection possible because of non-engraving of concentric CEANDER conductor (CW)
- free from lacquer damaging substances and silicone (during production)

## REMARKS

- conform to RoHS
- conform to 2006/95/EC-Guideline CE
- with blue outer sheath for intrinsically safe facilities and also as NAYCWY (with aluminium conductors) available upon request
- We are pleased to produce special versions, other dimensions, core and jacket colours on request.

## PRODUCT INFORMATION

Conductor material:	Bare copper conductor
Conductor class:	Acc. to DIN VDE 0295 class 1 or 2 resp. IEC 60228 class 1 or 2
Core insulation:	PVC
Core identification:	Acc. to VDE 0293-308
Stranding:	Cores stranded in layers
Inner sheath material:	Filler sheath
Shield3:	Concentric conductor of blank round copper-wires ceander form
Outer sheath:	PVC
Sheath colour:	Black
Rated voltage:	Uo/U: 0,6/1 kV
Testing voltage:	4 kV
Conductor resistance:	At +20 °C acc. to DIN VDE 0295 class 1 oder 2 resp. IEC 60228 class 1 or 2
Current-carrying-capacity:	Acc. to DIN VDE, see Technical Guidelines
Min. bending radius fixed:	Single core: 15 x d ; multi core: 12 x d
Operat. temp. fixed min/max:	-40 °C / +70 °C
Operat. temp. moved min/max:	- 5 °C / +50 °C
Temp. at conductor:	+ 70 °C in operation; +160 °C in case of short-circuit
Burning behavior:	Acc. to VDE 0472-804-B and IEC 60332-1
Standard:	Acc. to DIN VDE 0276-603 and IEC 60502
Approvals:	VDE

## ITEM OVERVIEW

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
4000077	2 X 10re/10	19,0	312,00	600,00	black	V0: NYCWY 0,6/1kV
4000699	2 X 16re/16	21,0	489,00	830,00	black	V0: NYCWY 0,6/1kV
4000078	3 X 10re/10	20,0	408,00	720,00	black	V0: NYCWY 0,6/1kV
4000081	3 X 16re/16	22,0	643,00	990,00	black	V0: NYCWY 0,6/1kV
4000082	3 X 25rm/25	26,0	1003,00	1480,00	black	V0: NYCWY 0,6/1kV
4000492	3 X 25rm/16	26,0	902,00	1400,00	black	V0: NYCWY 0,6/1kV
4000065	3 X 35rm/35	28,0	1402,00	1950,00	black	V0: NYCWY 0,6/1kV
4000064	3 X 35rm/16	28,0	1190,00	1750,00	black	V0: NYCWY 0,6/1kV
4000083	3 X 35sm/35	27,0	1402,00	1800,00	black	V0: NYCWY 0,6/1kV
4000084	3 X 35sm/16	27,0	1190,00	1600,00	black	V0: NYCWY 0,6/1kV

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
4000085	3 X 50sm/50	29,0	2000,00	2350,00	black	V0: NYCWY 0,6/1kV
4000086	3 X 50sm/25	29,0	1723,00	2110,00	black	V0: NYCWY 0,6/1kV
4000541	3 X 70sm/70	34,0	2796,00	3220,00	black	V0: NYCWY 0,6/1kV
4000087	3 X 70sm/35	33,0	2410,00	2910,00	black	V0: NYCWY 0,6/1kV
4000554	3 X 95sm/95	38,0	3791,00	4380,00	black	V0: NYCWY 0,6/1kV
4000088	3 X 95sm/50	38,0	3296,00	3920,00	black	V0: NYCWY 0,6/1kV
4000543	3 X 120sm/120	42,0	4786,00	5370,00	black	V0: NYCWY 0,6/1kV
4000079	3 X 120sm/70	41,0	4236,00	4880,00	black	V0: NYCWY 0,6/1kV
4000303	3 X 150sm/150	46,0	5970,00	6590,00	black	V0: NYCWY 0,6/1kV
4000080	3 X 150sm/70	45,0	5100,00	5820,00	black	V0: NYCWY 0,6/1kV
4000483	3 X 185sm/95	50,0	6383,00	7370,00	black	V0: NYCWY 0,6/1kV
4000518	3 X 240sm/120	57,0	8242,00	9400,00	black	V0: NYCWY 0,6/1kV
4000060	3 X 300sm/150	61,0	10290,00	11837,00	black	V0: NYCWY 0,6/1kV
4000089	4 X 10re/10	21,0	504,00	850,00	black	V0: NYCWY 0,6/1kV
4000091	4 X 16re/16	24,0	796,00	1210,00	black	V0: NYCWY 0,6/1kV
4000093	4 X 25rm/16	28,0	1142,00	1720,00	black	V0: NYCWY 0,6/1kV
4000094	4 X 35sm/16	29,0	1526,00	1970,00	black	V0: NYCWY 0,6/1kV
4000095	4 X 50sm/25	33,0	2203,00	2680,00	black	V0: NYCWY 0,6/1kV
4000096	4 X 70sm/35	37,0	3082,00	3710,00	black	V0: NYCWY 0,6/1kV
4000097	4 X 95sm/50	43,0	4208,00	5020,00	black	V0: NYCWY 0,6/1kV
4000090	4 X 120sm/70	47,0	5388,00	6200,00	black	V0: NYCWY 0,6/1kV
4000273	4 X 150sm/70	51,0	6540,00	7500,00	black	V0: NYCWY 0,6/1kV
4000092	4 X 240sm/120	64,0	10546,00	12533,00	black	V0: NYCWY 0,6/1kV