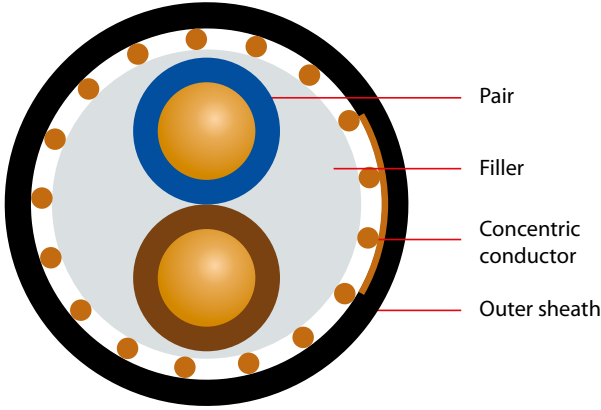


NYCWY 0.6/1 kV

acc. to VDE 0276-603



APPLICATION

Power cables for energy supply are used for industry and distribution boards, power stations, house connecting boxes, street lighting as well as a control cable for the transmission of control impulses and test data. Anywhere where increased electrical and also mechanical protection is required. These cables are installed outdoors, underground, in water, in concrete, indoors and in cable ducts.

CONSTRUCTION

- Conductor:** copper, bare, single-wire or multi-wire
- Core insulation:** PVC DIV 4
- Core identification:** colours acc. to DIN VDE 0293
- Core stranding:** cores twisted to layers
- Concentric conductor:** copper wires, wave form (ceander), with cu- tape counter helix
- Outer sheath:** PVC DMV 5 flame retardant; colour: black

BEHAVIOUR UNDER FIRE CONDITIONS

Flame retardant: VDE 0482-332-1-2/IEC 60332-1

ELECTRICAL CHARACTERISTICS

Nominal voltage U_0 / U	0.6/1 kV
Test voltage	4 kV

THERMAL & MECHANICAL PROPERTIES

Temperature range during installation	-5°C to +50°C
Temperature range stationary	-40°C to +70°C
Bending radius single-wire	15 x Diameter
Bending radius multi-wire	12 x diameter

CONDUCTOR TYPES

- (acc. to DIN VDE 0295)
- RE round, single-wire
- RM round, multi-wire
- RMv round, multi-wire, compressed SM sectorial form, multi-wire
- SMv sectorial form, multi-wire, compressed

No. of cores and cross section		Diameter approx. mm	Cable weight approx. kg/km	Copper index kg/km
1 x 95	RM	24.0	1761	1472
1 x 240	RM	32.6	4067	3634
2 x 10/10	RE	19.4	610	312
2 x 16/16	RE	20.4	840	489
2 x 25	SM	25.1	1340	763
2 x 50	RM	30.3	2045	1243
3 x 10/10	RE	19.4	750	408
3 x 16/16	RE	21.4	1050	643
3 x 25/16	RM	25.5	1600	902
3 x 35/16	SM	27.6	1700	1190
3 x 50/25	SMv	28.7	2300	1723
3 x 70/35	SMv	32.8	2900	2410
3 x 95/50	SMv	37.8	4000	3296
3 x 120/70	SMv	40.8	5000	4236
3 x 150/70	SMv	45.0	6000	5100
3 x 185/95	SMv	50.0	7500	6383
3 x 240/120	SMv	57.0	10000	8242
3 x 25/25	RM	25.5	1600	1003
3 x 35/35	SM	25.7	1850	1402
3 x 50/50	SMv	28.7	2400	2000
3 x 70/70	SMv	33.8	3300	2796
3 x 95/95	SMv	37.8	4500	3791
3 x 120/120	SMv	41.8	5500	4786
3 x 150/150	SMv	46.0	6750	5970
4 x 10/10	RE	20.4	870	504
4 x 16/16	RE	23.4	1250	796
4 x 16	RM	23.4	1250	796
4 x 25/16	RM	27.6	1800	1142
4 x 35/16	SM	28.6	2050	1526
4 x 50/25	SMv	32.8	2700	2203
4 x 70/35	SMv	36.8	3750	3082
4 x 95/50	SMv	43.9	5000	4208
4 x 120/70	SMv	47.0	6300	5388
4 x 150/70	SMv	51.0	7600	6540
4 x 185/95	SMv	56.0	9300	8159
4 x 240/120	SMv	63.0	11600	10546
4 x 300/150	RMv	69.6	15331	13170

Subject to changes due to technical progress and error

