NYCY

Power cables 0,6/1 kV, VDE approved, with concentric copper conductor

Cable structure

- Bare copper or stranded conductor according to DIN VDE 0295 and IEC 60228 cl. 1
- Core insulation of thermoplastic PVC
- Color coded cores according to DIN VDE 0293-308
- Cores stranded concetrically
- Filling compound
- Concentric conductor of copper wires and copper tape
- Sheath of thermoplastic PVC, sheath color black
- Self-extinguishing and flame retardant, according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1

Technical data

- Power and control cable according to DIN VDE 0276 part 603, HD 603. S1 and IEC 60502
- **Temperature at conductor** max. +70 °C
- **Operating temperature**
  during installation from -5 °C to +50 °C
  after installation max. +70 °C
- **Nominal voltage** U_O/U 0,6/1 kV
- **Test voltage a.c.** 4000 V
- **Minimum bending radius**
  single-core approx. 15× cable diameter
  multi-core approx. 12× cable diameter

Application

Power cables for energy supply are used in industry and distribution boards, power stations, house connection boxes and street lighting as well as control cables for impuls and data transmission. These cables are also suitable for all areas where increased electrical and mechanical protection is required. Cables for outer or inner installation, into water, concrete as well as for cable ducts. Concetric conductor (C) is permitted to be used as neutral or protective earthed conductor. Simultaneously, the concetric conductor can be used as a screening.

Note

CE = the product is conformed with the EC Low-Voltage Directive 73/23/EEC
Conforms to RoHS.

Part No.	Number of cores x core cross section [mm²]	Approx. outer ∅ [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0932200	1 × 10 re/10	11,0	216	280
0932201	1 × 16 re/16	12,0	336	440
0932202	2 × 1,5 re/1,5	13,0	52	205
0932203	2 × 2,5 re/2,5	13,5	80	270
0932204	2 × 4 re/4	15,5	123	360
0932205	2 × 6 re/6	17,0	182	435
0932206	2 × 10 re/10	19,5	312	590
0932207	2 × 16 re/16	20,5	489	820
0932208	3 × 1,5 re/1,5	13,5	66	225
0932209	3 × 2.5 re/2,5	14,5	104	290
0932210	3 × 4 re/4	16,5	161	400
0932211	3 × 6 re/6	17,5	240	510
0932212	3 × 10 re/10	20,0	408	850
0932213	3 × 16 re/16	23,0	643	1080
0932214	4 × 1,5 re/1,5	14,5	81	260
0932215	4 × 2,5 re/2,5	15,5	128	350
0932216	4 × 4 re/4	17,0	200	470
0932217	4 × 6 re/6	18,5	297	590
0932218	4 × 10 re/10	21,0	504	900
0932219	4 × 16 re/16	23,0	796	1250
0932220	5 × 1,5 re/1,5	15,0	95	330
0932221	5 × 2,5 re/2,5	16,0	152	400
0932222	5 × 4 re/4	19,0	238	560
0932223	5 × 6 re/6	21,0	355	710
0932224	5 × 10 re/10	23,0	600	1000
0932225	7 × 4 re/4	21,0	315	670
0932255	7 × 6 re/6	24,0	470	790

Part No.	Number of cores x core cross section [mm²]	Approx. outer ∅ [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0932226	7 × 1,5 re/1,5	15,0	124	320
0932227	7 × 1,5 re/2,5	16,0	133	350
0932228	8 × 1,5 re/1,5	17,0	138	380
0952229	8 × 1,5 re/2,5	17,0	147	400
0932230	10 × 1,5 re/2,5	19,0	176	440
0932231	12 × 1,5 re/2,5	20,0	205	500
0932232	14 × 1,5 re/2,5	20,5	234	540
0932233	16 × 1,5 re/4	22,0	276	600
0932234	19 × 1,5 re/4	23,0	320	690
0932235	21 × 1,5 re/6	24,0	369	810
0932236	24 × 1,5 re/6	26,0	413	860
0932237	30 × 1,5 re/6	27,0	499	1230
0932238	40 × 1,5 re/10	30,0	696	1590
0932239	52 × 1,5 re/10	32,0	869	1810
0932240	61 × 1,5 re/10	33,0	998	2000
0932241	7 × 2,5 re/2,5	17,5	200	450
0932242	8 × 2,5 re/2,5	18,0	224	510
0932243	10 × 2,5 re/4	20,5	286	600
0932244	12 × 2,5 re/4	21,0	334	660
0932245	14 × 2,5 re/4	22,0	382	760
0932246	14 × 2,5 re/6	22,5	403	800
0932247	16 × 2,5 re/6	23,0	451	910
0932248	19 × 2,5 re/6	23,5	523	950
0932249	21 × 2,5 re/10	26,0	571	1100
0932250	24 × 2,5 re/10	28,0	696	1300
0932251	30 × 2,5 re/10	30,0	840	1610
0932252	40 × 2,5 re/10	35,0	1080	2100
0932253	52 × 2,5 re/10	38,0	1368	2500
0932254	61 × 2,5 re/10.	40,0	1584	2850