



Cable structure

- Bare copper or stranded conductor according to DIN VDE 0295 and IEC 60228 cl. 1 or 2
- Core insulation of thermoplastic PVC
- Color coded cores according to DIN VDE 0293-308
- Cores stranded concentrically
- 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_0/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 impulses 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. Concentric conductor (C) is permitted to be used as neutral or protective earthed conductor. Simultaneously, the concentric 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 × core cross section [mm ²]	Approx. outer Ø [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]	Current carrying capacity [A]	
					in earth (20 °C)	in air (30 °C)
0932260	2 × 10 re/10	19,0	312	650	79	59
0932261	2 × 16 re/16	21,0	489	850	103	79
0932263	3 × 10 re/10	19,5	408	730	79	59
0932264	3 × 16 re/16	22,0	643	1000	103	79
0932265	3 × 25 rm/16	26,0	902	1550	133	106
0932266	3 × 35 sm/16	27,0	1190	1750	159	129
0932267	3 × 50 sm/25	29,0	1723	2250	188	157
0932268	3 × 70 sm/35	33,0	2410	2950	232	199
0932269	3 × 95 sm/50	38,0	3296	4100	280	246
0952270	3 × 120 sm/70	41,0	4236	5050	318	285
0932271	3 × 150 sm/70	45,0	5100	6000	359	326
0932272	3 × 185 sm/95	50,0	6383	7550	406	377
0932273	3 × 240 sm/120	57,0	8242	9950	473	445
0932274	3 × 25 rm/25	26,0	1003	1600	133	106
0932275	3 × 35 sm/35	27,5	1402	1850	159	129
0932276	3 × 50 sm/50	29,5	2000	2450	188	157
0932277	3 × 70 sm/70	34,0	2796	3350	232	199
0932278	3 × 95 sm/95	38,5	3791	4550	280	246
0932279	3 × 120 sm/120	42,0	4786	5550	318	285
0932280	3 × 150 sm/150	46,0	5970	6900	359	326
0932281	3 × 185 sm/185	51,0	7363	8500	-	-
0932282	4 × 10 re/10	20,5	504	890	79	59
0932283	4 × 16 re/16	23,5	796	1250	103	79
0932284	4 × 25 rm/16	28,0	1142	1800	133	106
0932285	4 × 35 sm/16	29,0	1526	2050	159	129
0932286	4 × 50 sm/25	33,0	2203	2700	188	157
0932287	4 × 70 sm/35	37,0	3082	3750	232	199
0932288	4 × 95 sm/50	43,5	4208	5000	280	246
0932289	4 × 120 sm/70	47,0	5388	6350	318	285
0932290	4 × 150 sm/70	51,0	6540	7650	359	326
0932291	4 × 185 sm/95	56,0	8159	9350	406	374
0932292	4 × 240 sm/120	62,5	10546	11600	473	445