

1-CYKY - 0,6/1 kV

Power Cable 0,6/1 kV with Copper conductors, PVC insulated and sheathed



Application

In earth, ducts, on support brackets, in dry and wet conditions etc., where one does not expect mechanical damages and the cables are not exposed to the mechanical tensile strain. In urban networks, industrial plants, electric power plants and other electricity consumers and for connection of control devices in industry.

Construction

Conductor material	Copper: solid (RE) or stranded (RM/SM) bare copper
Insulation	Core insulation of polyvinylchloride (PVC)
Filling	Core covering or taping
Outer sheath	Polyvinylchloride (PVC), Black, UV -resistant

Standards and Certifications

Adapted to TP PRAKAB 01-03 ; HD 603 S1
 This cable is EZU certified



Color Identification Code

Accordance to HD 308 S2

Technical Data

Nominal voltage U ₀ /U	[V]	600 / 1000V
Test voltage	[V]AC	4000V
Temperature range	in motion °C	-5°C till +70°C
	fixed °C	-20°C till +80°C
Operating temperature	short circuit °C	160°C ≤ 300mm ²
		140°C > 300mm ²
Short circuit time	Max. [sec]	5
Bending radius	single core x diameter	15
	multi core x diameter	12

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Fire classification CPR class

Eca

Number of cores x Cross- section	Overall diameter (approx.) [mm]	Weight (approx.) [kg/km]	Maximum electrical resistance at 20° C [Ω/km]
1 x 10 RE	11	170	1.83
1 x 16 RE	12	245	1.15
1 x 25 RM	15	360	0.727
1 x 35 RM	16	466	0.524
1 x 50 RMC	17	630	0.387
1 x 70 RMC	19	825	0.268
1 x 95 RMC	21	1175	0.193
1 x 120 RMC	22	1380	0.153
1 x 150 RMC	25	1740	0.124
1 x 185 RMC	27	2150	0.101
1 x 240 RMC	30	2705	0.0775
1 x 300 RMC	32	3380	0.0602
1 x 400 RMC	37	4210	0.0465
2 x 10 RE	19	495	1.83
2 x 16 RE	21	670	1.15
2 x 25 RM	26	1065	0.727
3 x 10 RE	19	625	1.83
3 x 16 RE	22	630	1.15
3 x 25 RE	26	1330	0.727
3 x 25 RM + 16 RE	31	1570	0.727 / 1.15
3 x 35 RM + 16 RE	32	1995	0.524 / 1.15
3 x 50 SM + 25 RM	35	2490	0.387 / 0.727
3 x 70 SM + 35 SM	38	3220	0.268 / 0.537
3 x 120 SM + 70 SM	45	5390	0.153 / 0.268
3 x 150 SM + 70 SM	50	6560	0.124 / 0.268
3 x 185 SM + 95 SM	54	7750	0.101 / 0.193
3 x 240 RM + 120 SM	60	10320	0.0775 / 0.153

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Number of cores x Cross- section	Overall diameter (approx.) [mm]	Weight (approx.) [kg/km]	Maximum electrical resistance at 20° C [Ω/km]
4 x 10 RE	21	1300	1.83
4 x 16 RE	23	755	1.15
4 x 25 RM	26	1650	0.727
4 x 35 RM	28	1950	0.524
4 x 50 SM	30	2565	0.387
4 x 70 SM	34	3525	0.268
4 x 95 SM	38	4765	0.193
4 x 120 SM	43	5940	0.153
4 x 150 SM	48	7200	0.124
4 x 185 SM	53	8865	0.101
4 x 240 SM	57	11320	0.0775
5 x 10 RE	22	915	1.83
5 x 16 RE	25	1300	1.15
5 x 25 RM	32	2050	0.727
5 x 35 RM	34	2610	0.524
5 x 50 RMC	39	3350	0.387
5 x 70 RMC	42	985	0.268
5 x 95 RMC	48	4520	0.193
5 x 120 RMC	52	8140	0.153

Designation

- RE Solid round conductors
- RM Stranded round conductors
- RMC Stranded round conductors (compacted)
- SM Stranded sector conductors

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