

CYY - 0,6/1 kV

PVC insulated current cable



Application

This power cable is suitable for fixed installations, preferably in cable ducts, indoors, outdoors, in water or underground if no mechanical damage is to be expected.

Construction

Conductor material	Copper: solid (RE) or stranded (RM)
Insulation	Core insulation of polyvinylchloride (PVC)
Filling	Core covering or taping
Outer sheath	Polyvinylchloride (PVC), Black

Standards and Certifications

IEC 60502-1

Core Identification

Accordance to HD 308 S2

Technical Data

Nominal voltage U_0/U	[V]	600 / 1000V
Test voltage	[V]AC	4000
Temperature range	in motion °C	-5°C till +70°C
	fixed °C	-20°C till +70°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

Reaction to fire EN 60332 - 1 - 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 1.5 RE	7.5	60	12.1
1 x 2.5 RE	9	74	7.41
1 x 4 RE	10	99	4.61
1 x 6 RE	11	124	3.08
1 x 10 RE	12	170	1.83
1 x 16 RE	13	247	1.15
1 x 25 RM	15	359	0.727
1 x 35 RM	16	464	0.524
1 x 50 RM	18	609	0.387
1 x 70 RM	19	825	0.268
1 x 95 RM	21	1112	0.193
1 x 120 RM	23	1338	0.153
1 x 150 RM	26	1643	0.124
1 x 185 RM	28	2050	0.101
1 x 240 RM	31	2708	0.0775
2 x 1.5 RE	13	137	12.1
2 x 2.5 RE	14	172	7.41
2 x 4 RE	16	233	4.61
2 x 6 RE	17	300	3.08
2 x 10 RE	19	434	1.83
2 x 16 RE	21	669	1.15
2 x 25 RM	26	938	0.727
3 x 1.5 RE	14	158	12.1
3 x 2.5 RE	15	203	7.41
3 x 4 RE	16	283	4.61
3 x 6 RE	17	369	3.08
3 x 10 RE	19	538	1.83

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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]
3 x 16 RE	21	830	1.15
3 x 25 RM / 16 RE	30	1420	0.727 / 1.15
4 x 1.5 RE	14	188	12.1
4 x 2.5 RE	16	245	7.41
4 x 4 RE	17	347	4.61
4 x 6 RE	19	456	3.08
4 x 10 RE	21	671	1.83
4 x 16 RE	24	1038	1.15
4 x 25 RM	28	1551	0.727
4 x 240 SM	60	11050	0.0775
5 x 1.5 RE	15	223	12.1
5 x 2.5 RE	17	293	7.41
5 x 4 RE	19	417	4.61
5 x 6 RE	20	551	3.08
5 x 10 RE	22	815	1.83
5 x 16 RE	25	1267	1.15
5 x 25 RE	32	1914	0.727

Designation

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

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