

CYAbY - F 0,6/1kV

Reinforced power cable with PVC insulation and mantle



Application

In fixed installations, in dry, wet places, outdoors or in the ground. Its construction allows use in places where there are risks of mechanical damage. This cable has an increased delay in the propagation of the conf flame. IEC 60332-1 and IEC 60332-3-24 Cat.C

Construction

1. Conductor	Copper class 2, according to standard EN 60228
2. Insulation	Core insulation of polyvinylchloride (PVC)
3. Filling	PVC or plastic strips
4. Armor	Cold rolled steel tape
5. Outer sheath	Core insulation of polyvinylchloride (PVC), Black

Standards and Certifications SR CEI 60502

Color Identification Code Accordance to HD 308 S2

Technical Data

Nominal voltage U ₀ /U	[V]	600 / 1000V
Test voltage	[V]AC	4000V
Min. cable installation temp.	°C	-5°C
	storage	-40°C
Max. working. temp.	°C	+70°C
Max. short circuit temp.	°C	160°C (max. 5 sec.)
Min. radius of curvature	min 12x cable diameter	

Fire classification CPR class

Eca

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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]
1 x 10 RE	11.1	230	1.83
1 x 10 RM	11.95	254	1.83
1 x 16 RE	12.2	269	1.15
1 x 16 RM	13.1	371	1.15
1 x 25 RM	14.8	505	0.727
1 x 35 RM	16	625	0.524
1 x 50 RMC	17.7	791	0.387
1 x 70 RMC	19.5	1031	0.268
1 x 95 RMC	21.8	1346	0.193
1 x 120 RMC	23.3	1592	0.153
1 x 150 RMC	25.3	1920	0.124
1 x 185 RMC	27.6	2370	0.101
1 x 240 RMC	30.5	3018	0.0775
1 x 300 RMC	33.5	3698	0.0620
2 x 1.5	12.2	249	12.1
2 x 2.5	13	296	7.41
2 x 4	14.7	390	4.61
2 x 2.5 RM	24.2	1232	0.727
3 x 1.5	12.6	278	12.1
3 x 2.5	13.5	334	7.41
3 x 4	15.4	447	4.61
3 x 6	16.7	542	3.08
3 x 10 RE	19.4	744	1.83
3 x 16 RE	21.9	1054	1.15
3 x 16 RM	22.8	1121	1.15
3 x 25 RM + 16 RE	26.9	1689	0.727 / 1.15
3 x 25 RM	25.6	1502	0.727
3 x 35 RM + 16 RE	29.2	2076	0.524 / 1.15
3 x 50 RMC	28.2	1917	0.387
3 x 50 SM + 25 RM	29.2	2655	0.193 / 0.727

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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 95 SM + 50 SM	38	4850	0.193 / 0.387
3 x 120 SM + 70 SM	43.6	5800	0.153 / 0.268
3 x 120 SM	38	4811	0.153
3 x 150 SM + 70 SM	48	6586	0.124 / 0.268
3 x 150 SM	42.2	5822	0.124
3 x 185 SM + 95 SM	53.2	5899	0.101 / 0.193
3 x 185 SM	45.6	7185	0.101
3 x 240 SM + 120 SM	60	10885	0.0775 / 0.153
3 x 240 SM	52.2	9330	0.0775
4 x 1.5	13.4	134	12.1
4 x 2.5	14.4	388	7.41
4 x 4	16.5	527	4.61
4 x 6	17.9	658	3.08
4 x 10 RE	20	827	1.83
4 x 10 RM	20.9	916	1.83
4 x 16 RE	22.9	1106	1.15
4 x 16 RM	23.8	1277	1.15
4 x 25 RM	28.1	1864	0.727
4 x 35 RM	31.2	2391	0.524
4 x 50 SM	31.8	2833	0.387
4 x 70 SM	37	4150	0.268
4 x 95 SM	39.5	5150	0.193
4 x 120 SM	43.8	4478	0.153
4 x 150 SM	48.6	7611	0.124
4 x 185 SM	53.4	10269	0.101
4 x 240 SM	31.9	15325	0.0775
5 x 1.5	14.2	364	12.1
5 x 2.5	15.3	448	7.41
5 x 4	17.7	615	4.61
5 x 6	19.3	773	3.08

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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]
5 x10 RE	21.7	896	1.83
5 x10 RM	22.6	1087	1.83
5 x 16 RE	24.9	1232	1.15
5 x 16 RM	25.8	1537	1.15
5 x 25 RM	31.3	2260	0.727
5 x 35 RM	34.2	2908	0.524
5 x 50 RMC	39.2	3914	0.387
7 x 1.5	15.1	475	12.1
7 x 2.5	16.3	595	7.41
7 x 4	18.6	689	4.61

Designation

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

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