

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 1 or 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	- polyvinylchloride (PVC), Black

Standards: SP 07/2023

Color Identification: Accordance to HD 308 S2

Flammability: Eca

Technical data:

Rated voltage UO/U	[V]	600 / 1000 Volt
Test voltage	[V]AC	4000
Minimum cable installation temperature	°C	-5°C
Maximum working temperature	°C	+70°C
Maximum short circuit temperature	°C	160°C (max. 5 sec.)
Minimum bending radius	Single Core	15 x Diameter
	Multi Core	12 x Diameter

Number of cores x Cross-section	Diameter (approx.) [mm]	Weight (approx.) [kg/km]
1x10 RE	10.8	246
1x10 RM	11.2	272
1x16 RE	11.6	312
1X16 RM	12.2	350
1x25 RM	13.8	440
1x35 RM	14.8	538
1x50 RM	16.5	686
1x70 RM	18.0	884
1x95 RM	20.6	1169
1x120 RM	21.5	1384
1x150 RM	23.9	1683
1x185 RM	26.9	2094
1x240 RM	29.5	2644
1x300 RM	32.4	3259
2x1.5	10.7	198
2x2.5	11.8	247
2x4	13.1	312
2x6	14.1	374
2x10	16.7	467
2x16	18.4	601
3x1.5	11.1	219

Number of cores x Cross-section	Diameter (approx.) [mm]	Weight (approx.) [kg/km]
3x2.5	12.3	280
3x4	13.7	358
3x6	14.7	438
3x10 RE	17.5	582
3x16 RE	19.4	769
3x16 RM	20.6	875
3x25 RM	24.3	1144
3x25 RM + 16 RE	26.4	1330
3x35 RM	26.6	1442
3x35 RM + 16 RE	29	1685
3x50 RMC	30.1	1860
3x50 SM + 25 RM	28.3	2037
3x70 SM	28.6	2419
3x70 SM + 35 SM	32.4	2701
3x95 SM	32.5	3239
3x95 SM + 50 SM	37.8	3671
3x120 SM	35.9	3858
3x120 SM +7 0 SM	40.7	4406
3x150 SM	39.8	4773
3x150 SM+70 SM	44.6	5398
3x185 SM	43.1	5913
3x185 SM+95 SM	49.3	6747
3x240 SM	48.6	7573
3x240 SM+120 SM	55.1	8588
4x1.5 RE	11.7	250
4x2.5 RE	13.1	323
4x4 RE	14.6	422
4x6 RE	15.8	520
4x10 RE	18.9	708
4x16 RE	21.0	949
4x16 RM	22.4	1086
4x25 RM	26.7	1437
4x35 RM	29.1	1809
4x50 SM	28.3	2328
4x70 SM	32.4	3087
4x95 SM	37.8	4196

Number of cores x Cross-section	Diameter (approx.) [mm]	Weight (approx.) [kg/km]
4x120 SM	40.7	5036
4x150 SM	44.6	6170
4x185 SM	49.3	7710
4x240 SM	55.1	9814
5x1.5 RE	12.4	279
5x2.5 RE	13.9	366
5x4 RE	15.6	481
5x6 RE	16.9	600
5x10 RE	20.4	837
5x16 RE	22.8	1131
5x16 RM	24.4	1317
5x25 RM	29.0	1722
5x35 RM	32.3	2230
5x50 RM	36.8	2915
5x70 RM	41.0	3882
5x95 RM	48.4	5306
5x120 RM	51.1	6379
5x150 RM	57.9	7880
5x185 RM	65.5	9770

Designation

- RE Solid round conductors
- RM Stranded round conductors
- SM Stranded sector conductors