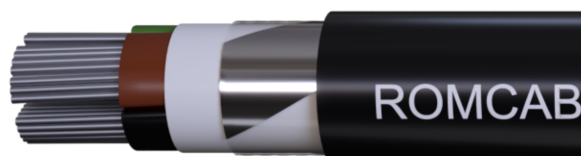


ACYABY-F 0,6/1kV

PVC Insulated and sheathed power cable, steel tape armored



Application

Power supply to power stations. The cables must be protected against: corozive chemicals, chemical solvents UV resistant cables.

Construction

Monowire or multi wire aluminium conductors

Insulated conductors

Filler

Inner sheath

Blank or zinc-plated cold rolled

Outer sheath

Standards and Certifications

SR HD 603 S1/4C ; IEC 60502-1, ST104: Rev 2 : 2016

Construction according to EN 60228

Core Identification

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	-30°C till +70°C
Operating temperature	short circuit °C	160°C (max)
Short circuit time	Max. [sec]	5
Bending radius	single core x diameter	6
	multi core x diameter	12

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Fire classification CPR class

Reaction to fire EN 50575 - 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 240 RM	29.6	1460	0.125
1 x 300 RM	31.5	2500	0.100
2 x 16 RE	18.8	630	1.31
2 x 25 RM	23.5	860	1.2
3 x 25 RM	24.9	970	1.2
3 x 25 RM + 16 RE	27.2	1.140	1.2 / 1.91
3 x 35 RM + 16 RE	30.4	1.340	0.868 / 1.91
3 x 50 SM + 25 RM	31	1.230	0.641 / 1.2
3 x 70 SM + 35 SM	34.4	1.555	0.443 / 0.868
3 x 95 SM + 50 SM	39.4	2040	0.320 / 0.641
3 x 95 SM + 50 RM	39.4	2040	0.320 / 0.641
3 x 120 SM + 70 SM	44.2	2500	0.253 / 0.443
3 x 120 SM + 70 RM	44.2	2500	0.253 / 0.443
3 x 150 SM + 70 SM	48.4	2930	0.206 / 0.443
3 x 150 SM + 70 RM	48.4	2930	0.206 / 0.443
3 x 185 SM + 95 SM	58.6	3500	0.164 / 0.320
3 x 185 SM + 95 RM	58.6	3500	0.164 / 0.320
3 x 240 SM + 120 SM	59.4	4350	0.125 / 0.253
4 x 25 RM	27.1	1140	1.2
4 x 35 SM	30.4	1400	0.868
4 x 50 SM	31	1260	0.641
4 x 70 SM	34.4	1600	0.443
4 x 95 SM	39.4	1580	0.320
4 x 120 SM	44.2	2400	0.253
4 x 150 SM	48.4	2900	0.206
4 x 185 SM	58.6	3200	0.164
4 x 240 SM	59,4	3840	0.125

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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 x 10 RE	20.3	760	3.08
5 x 16 RE	22.9	960	1.31
5 x 25 RM	29.8	1400	1.2
5 x 35 RM	33.5	1510	0.868

Designation

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

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