

EAY2Y - 0,6/1 kV

Underground cable with PVC insulation and HDPE outersheath



Application

Power distribution cables in power stations , industrial installations and switchgears, as well as in local mains. For fixed installation underground, in interior premises, cable ducts, in open air, in water – as permitted by the local building regulations – under severe mechanical stressing during installation and operation.

Construction

Conductor material	Aluminium conductor class 1 or class 2
Insulation	Core insulation of polyvinylchloride (PVC)
Filling	PVC core covering (FM) or taping (BD)
Outer sheath	Polyethylene (HDPE), Black, UV resistant

Standards and Certifications

HD 603 S1

Outer sheath hardness: 56-60 Shore D

Technical Data

Nominal voltage U ₀ /U	[V]	600 / 1000V
Test voltage	[V]AC	4000
Max. operating temp.		+70°C
Minimal temp. for laying and manipulation		-5 °C
Short circuit time	Max. [sec]	5
Bending radius	x diameter	15

Fire classification CPR class

Reaction to fire EN 60332 - 1 - 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 120 RM	19	520	0.253
1 x 150 RM	22	630	0.206
1 x 185 RM	25	750	0.164
1 x 240 RM	27	980	0.125
1 x 300 RM	29	1200	0.1
3 x 240 SM + 120 SM	55	3900	0.125 / 0.253
4 x 16 RM	21	550	1.91
4 x 25 RM	24	780	1.2
4 x 25 RE	22	720	1.2
4 x 35 RM	26	790	0.868
4 x 35 SM	25	730	0.868
4 x 50 SM	28	1100	0.641
4 x 50 SE	26	1000	0.641
4 x 70 SM	31	1350	0.443
4 x 70 SE	30	1210	0.443
4 x 95 SM	36	1800	0.32
4 x 95 SE	34	1720	0.32
4 x 150 SM	43	2700	0.206
4 x 150 SE	41	2580	0.206
4 x 185 SM	47	3080	0.164
4 x 185 SE	46	2930	0.164
4 x 240 SE	53	4140	0.125
4 x 240 SM	54	4200	0.125
4 x 300 SM	60	4630	0.1

Designation

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

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