

EYY - 0,6/1 kV

PVC Insulated heavy 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	Solid (SE) or stranded (RM/SM) bare copper
Insulation	Core insulation of polyvinylchloride (PVC)
Filling	PVC core covering or taping
Outer sheath	Polyvinylchloride (PVC), Black, UV-resistant

Standards and Certifications

ÖVE/ÖNORM E 8200-603: 2011-05-01; ÖVE/ÖNORM E 8200-627: 2011-05-01
 HD 603 S1:1994/A3:2007; HD 627 S1:1996 + A1:2000 + A2:2005
 DIN EN 60228 class 1 and 2 (construction)

Core Identification

HD 308 S2

JZ: One core green/yellow, other cores are black with figures

OZ: Every core is black with figures

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

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Short circuit time	max. [sec]	5
Bending radius	single core x diameter	15
	multi core x diameter	12

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 25 RM	12	352	0.727
1 x 35 RM	13	462	0.524
1 x 50 RM	15	605	0.387
1 x 70 RM	17	818	0.268
1 x 95 RM	19	1085	0.193
1 x 120 RM	21	1320	0.153
1 x 150 RM	23	1605	0.124
1 x 185 RM	25	1998	0.101
1 x 240 RM	28	2504	0.0775
1 x 300 RM	30	3190	0.0620
2 x 1.5 RE	11	218	12.1
2 x 2.5 RE	12	264	7.41
3 x 1.5 RE	11	245	12.1
3 x 2.5 RE	12	296	7.41
3 x 4 RE	14	395	4.61
3 x 6 RE	15	480	3.08
3 x 10 RE	16	650	1.83
3 x 16 RE	18	880	1.15
4 x 1.5 RE	11	282	12.1
4 x 2.5 RE	12	338	7.41
4 x 4 RE	14	463	4.61
4 x 6 RE	15	565	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]
4 x 10 RM	18	778	1.83
4 x 16 RM	20	1068	1.15
4 x 25 RM	23	1635	0.727
5 x 1.5 RE	13	320	12.1
5 x 2.5 RE	14	393	7.41
5 x 4 RE	16	540	4.61
5 x 6 RE	17	675	3.08
5 x 10 RM	20	930	1.83
5 x 10 RE	18	930	1.83
5 x 16 RM	23	1346	1.15
7 x 1.5 RE	13	375	12.1
7 x 2.5 RE	14	475	7.41
7 x 4 RE	19	600	4.61

Designation

RE Solid round conductors
 RM Stranded round conductors

From six core:

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OZ: Every core is black with figures

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