

NA2XY 0,6/1kV

Power cable with XLPE insulation and PVC sheath



Application

For fixed installation in building, in free air, in ground and in water

Construction

Conductor material	Round or sector-shaped conductor according to SR EN 60228
Insulation	Cross-linked polyethylene (XLPE), type DIX 3
Filling	Extruded inner covering
Outer sheath	PVC, DMV 6 type

Standards and Certifications

SR HD 603 S1 ; IEC 6050-1
 Construction according to EN 60228

Core Identification

HD 308 S2

Technical Data

Voltage rating U_0/U (Um)	[V]	0,6 /1 (1,2)kV
Test voltage	[V]AC	4kV
Temperature range	in motion °C	-5°C till +70°C
	fixed °C	-35°C till +70°C
Operating temperature	short circuit °C	250°C
Short circuit time	max. [sec]	5
Bending radius	single core x diameter	15
	multi core x diameter	12

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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 16 RE	11	100	1.91
1 x 25 RE	14	155	1.2
1 x 35 RE	13	240	0.869
1 x 50 RM	15	350	0.641
1 x 70 RM	17	400	0.443
1 x 95 RM	19	560	0.320
1 x 120 RM	20	590	0.253
1 x 150 RM	23	810	0.206
1 x 185 RM	25	980	0.164
1 x 240 RM	28	1250	0.125
1 x 300 RM	30	1400	0.100
4 x 16 RE	21	190	1.91
4 x 25 RM	25	300	1.2
4 x 25 RE	25	300	1.2
4 x 35 RM	27	420	0.869
4 x 35 RE	27	420	0.869
4 x 50 SM	29	580	0.641
4 x 50 SE	29	580	0.641
4 x 70 SM	34	820	0.443
4 x 70 SE	34	820	0.443
4 x 95 SM	37	1120	0.32
4 x 95 SE	37	1120	0.32
4 x 120 SM	40	1400	0.253
4 x 120 SE	40	1400	0.253
4 x 150 SM	44	1750	0.206
4 x 150 SE	44	1750	0.206
4 x 185 SM	48	2200	0.164
4 x 185 SE	48	2200	0.164
4 x 240 SM	54	2800	0.125
4 x 240 SE	54	2800	0.125

Designation

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

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