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POWER CABLES AND OVERHEAD LINES 0.6/1 kV

NA2XY

XLPE/PVC aluminium energy cable



TECHNICAL DATA



Standard
DIN VDE 0276-603 (HD 603)



Certificate
VDE Germany



Test Voltage
core/core 4 kV / 50 Hz



Rated Voltage
0.6/1 kV



Bending radius (min.)
12 x Ø of cable



Fire properties
EN 60332-1-2: flame retardant
CPR Classification: Eca



Core identification
HD 308 S2



Temperature range
Laying temperature: min. -5°C
Operating temperature: -50°C up to 90°C

DESIGN



1

Aluminium conductor, round solid (RE), sector-shaped solid (SE), round stranded (RM), resp. sector-shaped stranded (SM)

2

Core insulation (XLPE)

3

Inner covering (EPDM)

4

Sheath (PVC black, UV-resistant)

Number of cores x nominal cross-section (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the earth (A)	Current rating in the air (A)	Outer diameter appr. (mm)	Total weight appr. (kg/km)
4 x 35 RE	0.868	135	126	28.0	1063
3 x 50 SM	0.641	158	149	27.2	942
4 x 50 SE	0.641	158	149	28.3	1129
4 x 50 SM	0.641	158	149	30.1	1188
1 x 70 RM	0.443	310	260	16.8	370
3 x 70 SM	0.443	196	191	31.1	1258
3 x 70 + 35 SM/RE	0.443 / 0.868	196	191	33.8	1563
4 x 70 SE	0.443	196	191	32.7	1520
4 x 70 SM	0.443	196	191	34.1	1588
1 x 95 RM	0.32	372	321	18.6	464
3 x 95 SM	0.32	234	234	33.9	1562
3 x 95 + 50 SM/SM	0.32 / 0.641	234	234	35.5	1830
4 x 95 SE	0.32	234	234	36.2	1928
1 x 120 RM	0.253	425	376	20.2	555
3 x 120 SM	0.253	268	273	36.9	1867
3 x 120 + 70 SM/SM	0.253 / 0.443	268	273	38.9	2256
4 x 120 SE	0.253	268	273	39.6	2325
4 x 120 SM	0.253	268	273	42.0	2439
1 x 150 RM	0.206	476	431	22.0	660
3 x 150 + 70 SM/SM	0.206 / 0.443	300	311	43.6	2676
4 x 150 SE	0.206	300	311	44.3	2880
4 x 150 SM	0.206	300	311	47.2	2960
1 x 185 RM	0.164	541	501	24.1	799
3 x 185 + 95 SM/SM	0.164 / 0.32	342	360	47.5	3235
4 x 185 SE	0.164	342	360	48.5	3500
4 x 185 SM	0.164	342	360	52.5	3633
1 x 240 RM	0.125	631	600	26.7	994
3 x 240 SM	0.125	398	427	50.1	3469
3 x 240 + 120 SM/SM	0.125 / 0.253	398	427	53.4	4060
4 x 240 SE	0.125	398	427	53.6	4329
4 x 240 SM	0.125	398	427	58.2	4541
1 x 300 RM	0.1	716	696	29.4	1210
1 x 400 RM	0.078	825	821	33.3	1526
1 x 500 RM	0.061	952	971	36.2	1869

CONTACT PERSON

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