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LOW VOLTAGE CABLES 0,6/1 kV

FRNC-AL-S(90)

XLPE/FRNC energy cable, halogenfree



TECHNICAL DATA



Standard

Adapted to HD 604.5F
IEC 60502-1



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: self-extinguishing
EN 60754-2: halogen-free, non-corrosive combustion gases
EN 61034-2: low smoke emission
EN 60332-3-22: reduced flame propagation



Core identification

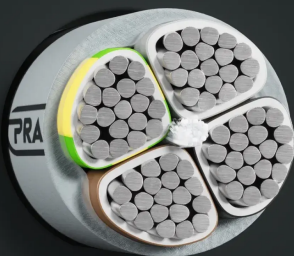
HD 308 S2



Temperature range

Laying temperature: min. -5°C
Operating temperature: -50°C up to 90°C
Conductor temperature: max. 90°C
Short circuit temperature: max. 250°C

DESIGN



1

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

2

Core insulation (XLPE)

3

Inner covering (halogen-free tape or halogen free polymer compound)

4

Sheath (halogen-free polymer compound grey)

Number of cores x nominal cross-section (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the air (A)	Outer diameter appr. (mm)	Total weight appr. (kg/km)	CPR Classification
4 x 16 RM	1.91	76	20.1	506	Cca-s1, d2, a1
4 x 25 RM	1.2	102	24.0	727	Cca-s1, d2, a1
5 x 25 RM	1.2	69	26.3	858	Cca-s1, d2, a1
1 x 50 RM	0.641	205	14.6	269	Cca-s1, d2, a1
4 x 50 SM	0.641	149	26.6	869	Dca-s1, d2, a1
5 x 70 SM	0.443	137	33.8	1466	Dca-s1, d2, a1
1 x 95 RM	0.32	321	18.2	439	Cca-s1, d2, a1
5 x 95 SM	0.32	163	36.7	1907	Dca-s1, d2, a1
5 x 120 SM	0.253	188	42.4	2388	Dca-s1, d2, a1
1 x 150 RM	0.206	431	21.5	631	Cca-s1, d2, a1
4 x 150 SM	0.206	311	43.2	2362	Dca-s1, d2, a1
5 x 150 SM	0.206	211	47.0	2929	Dca-s1, d2, a1
1 x 185 RM	0.164	501	23.6	766	Cca-s1, d2, a1
1 x 240 RM	0.125	600	26.2	958	Cca-s1, d2, a1
4 x 240 SM	0.125	427	53.9	3753	B2ca-s1, d0, a1

CONTACT PERSON

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