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LOW VOLTAGE CABLES 0,6/1 kV

FRNC-AL-M(90)

XLPE/FRNC aluminium 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 solid (RE), resp. sector-shaped solid (SE)

2

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

3

Core insulation (XLPE)

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)
4 x 16 RE	1.91	76	19.0	471
5 x 16 RE	1.91	57	20.7	552
4 x 25 RE	1.2	102	22.7	680
5 x 25 RE	1.2	69	24.8	802
4 x 50 SE	0.641	149	24.7	824
4 x 95 SE	0.32	234	32.3	1475
4 x 150 SE	0.206	311	39.5	2225
4 x 240 SE	0.125	427	49.2	3587

CONTACT PERSON

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