We Make Modern Life Possible.

POWER CABLES AND OVERHEAD LINES 0.6/1 KV

FRNC-AL-M(90)

XLPE/FRNC aluminium energy cable, halogenfree

Cables are designed for fixed distribution of electricity in ordinary environment in hotels, hospitals, subway, airports, etc., to protect people and technical equipment of buildings in case of fire, where there is no requirement to maintain the functionality of the entire cable installation in fire. In case of fire, the cable releases a small amount of heat and smoke.



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 (mm²)	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

Technical changes reserved. All figures are therefore without guarantee.



CONTACT PERSON

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