We Make Modern Life Possible.



POWER CABLES AND OVERHEAD LINES 0.6/1 KV

FRNC-AL-S(90)

XLPE/FRNC 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 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 (mm²)	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

Technical changes reserved. All figures are therefore without guarantee.



CONTACT PERSON

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