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FQLQ WF LiteRex

Installation cable HF

450/750 V

Application

Installation cable for fixed installations indoors and outdoors. Not to be laid in soil nor directly in cast concrete. Can be embedded to the groove filled with plaster. UV-protected oversheath and core insulation. Installations must be in accordance with national regulations and rules of installations. The cable is halogen-free and flame-retardant according to CPR-class Dca-s2,d2,a2.

Design

Standards	SS 424 02 19-6
Reaction to fire	Dca-s2,d2,a2; EN 13501-6, EN 50575:2014+A1:2016
Conductor	Circular stranded copper, EN/IEC 60228 class 2
Insulation	Halogen free UV-resistant polyethylene
Core Identification	Yellowgreen, blue, brown Yellowgreen, blue, brown, black Yellowgreen, blue, brown, black, grey
Separation sheath	Halogen free filling compound
Oversheath	Halogen free UV-resistant polyolefin compound, White



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Temperature limits

Max. conductor temperature °C	70
Max. cond. temp. short circuit max. 5 s °C	160
Min. cable temperature during operation °C	-40
Min. cable temperature during handling °C	-15
Min. cable temperature during transport °C	-40
Current carrying capacity standard reference	
IEC 60364-5-52:2009, SFS 6000-5-52:2017	

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Technical information	3G1,5	4G1,5	5G1,5	3G2,5	4G2,5	5G2,5
Product code	1254745	1254746	1254747	1254749	1254750	1254751
Nominal cross-sectional area of conductor mm ²	1,5	1,5	1,5	2,5	2,5	2,5
Nominal diameter of conductor mm	1,3	1,3	1,3	1,7	1,7	1,7
Nominal thickness of insulation mm	0,5	0,5	0,5	0,6	0,6	0,6
Nominal thickness of oversheath mm	1,2	1,2	1,2	1,2	1,2	1,2
Fire load MJ/m	1,861	2,138	2,416	2,398	2,744	3,071
Fire load kWh/m	0,517	0,594	0,671	0,666	0,762	0,853
Nominal cable diameter mm	9,850	10,240	11,340	11,140	11,710	13,010
Nominal cable weight kg/km	147,551	170,688	195,963	198,137	232,467	268,202
Metall weight Cu kg/m	0,051	0,064	0,078	0,076	0,098	0,120
Maximum forces during installation when pulling by						
Max. pulling force by pulling-eye kN	0,2	0,3	0,3	0,3	0,5	0,6
Minimum bending radii						
Minimum bending radius, handling mm	99	102	113	111	117	130
Minimum bending radius, final bending mm	30	31	34	33	35	39
Minimum bending radii						
During handling and installation, cable cm	10	10	11	11	12	13
In final installation, cable cm	3	3	3	3	4	4
DC resistance						
Max. DC resistance of conductor at 20 °C Ω/km	12,1	12,1	12,1	7,41	7,41	7,41
Electrical values						
Minimum insulation resistance MΩ × km	0,011	0,011	0,011	0,01	0,01	0,01
Current ratings						
Cables in air (25 °C)						
two loaded conductor, conductor 70 °C A	23	23	23	31	31	31
three loaded conductor, conductor 70 °C A		19	19		26	26
Cables in air (30 °C)						
two loaded conductor, conductor 70 °C A	22	22	22	30	30	30
three loaded conductor, conductor 70 °C A		18,5	18,5		25	25