

2024-05-06 15:48:35

EQLQ 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 solid copper, EN/IEC 60228 class 1
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



LiteRex



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	

2024-05-06 15:48:35

Technical information	3G1,5	4G1,5	5G1,5	3G2,5	4G2,5	5G2,5
Product code	1254737	1254738	1254739	1254741	1254742	1254743
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	1,730	1,997	2,175	2,171	2,393	2,699
Fire load kWh/m	0,481	0,555	0,604	0,603	0,665	0,750
Nominal cable diameter mm	9,250	10,010	10,620	10,520	11,300	12,300
Nominal cable weight kg/km	137,019	160,305	180,690	184,060	215,159	248,410
Metall weight Cu kg/m	0,048	0,061	0,074	0,073	0,094	0,116
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	93	100	106	105	113	123
Minimum bending radius, final bending mm	28	30	32	32	34	37
Minimum bending radii						
During handling and installation, cable cm	9	10	11	11	11	12
In final installation, cable cm	3	3	3	3	3	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