

## EQLQ LiteRex

### Installation cable HF

### 450/750 V

#### Application

Installation cable for fixed installations indoors and outdoors. Not to be laid directly in cast concrete. Can be embedded to the groove filled with plaster. Cables can be installed underground, provided that national installation regulations allow it, if they are protected by installation pipes and the installation is carried out with the necessary caution. They are not suitable for long-term or permanent exposure to water. 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

<b>Standards</b>	SS 424 02 19-6
<b>Reaction to fire</b>	Dca-s2,d2,a2; EN 13501-6, EN 50575:2014+A1:2016
<b>Conductor</b>	Circular solid copper, EN/IEC 60228 class 1
<b>Insulation</b>	UV-protected polyethylene compound
<b>Core Identification</b>	3G: Yellow-green, blue, brown 4G: Yellow-green, blue, brown, black 5G: Yellow-green, blue, brown, black, grey
<b>Overall shield</b>	Polyethylene laminated aluminium foil
<b>Oversheath</b>	UV-protected polyolefin compound, White
<b>Earth conductor</b>	Circular stranded tinned copper, EN/IEC 60228 class 2

#### Temperature limits

<b>Max. conductor temperature °C</b>	70
<b>Max. cond. temp. short circuit max. 5 s °C</b>	160
<b>Min. cable temperature during operation °C</b>	-40
<b>Min. cable temperature during handling °C</b>	-15
<b>Min. cable temperature during transport °C</b>	-40

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Technical information	3G1,5	4G1,5	5G1,5	3G2,5	4G2,5	5G2,5
<b>Product code</b>	<b>1254683</b>	<b>1254684</b>	<b>1254685</b>	<b>1254688</b>	<b>1254689</b>	<b>1254690</b>
Nominal cross-sectional area of conductor mm <sup>2</sup>	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	1,4	1,4	1,4
Fire load MJ/m	1,173	1,501	1,751	1,692	2,025	2,391
Fire load kWh/m	0,326	0,417	0,486	0,470	0,563	0,664
Nominal cable diameter mm	8,290	9,030	9,970	9,420	10,440	11,530
Nominal cable weight kg/km	101,619	125,077	147,459	147,081	180,581	215,289
Nominal weight of copper kg/m	0,048	0,061	0,074	0,073	0,094	0,116
<b>Maximum forces during installation when pulling by</b>						
Max. pulling force by pulling-eye kN	0,2	0,3	0,3	0,3	0,5	0,6
<b>Minimum bending radii</b>						
Minimum bending radius, handling mm	83	90	100	94	104	115
Minimum bending radius, final bending mm	25	27	30	28	31	35
<b>Minimum bending radii</b>						
During handling and installation, cable cm	8	9	10	9	10	12
In final installation, cable cm	2	3	3	3	3	3
<b>DC resistance</b>						
Max. DC resistance of conductor at 20 °C Ω/km	12,1	12,1	12,1	7,41	7,41	7,41
<b>Electrical values</b>						
Minimum insulation resistance MΩ × km	0,011	0,011	0,011	0,01	0,01	0,01
<b>Current ratings</b>						
<b>Cables in air (25 °C)</b>						
two loaded conductor, conductor 70 °C A	23	23	23	31	31	31
three loaded conductor, conductor 70 °C A		19	19		26	26
<b>Cables in air (30 °C)</b>						
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