

EQQ LiteRex

Installation cable HF

300/500 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 19-5
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
Oversheath	Halogen free UV-resistant polyolefin compound
Colour of the oversheath	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

Additional information

Flame retardant EN 60332-3-23,
halogen free EN 60754 and
minimal smoke production EN 61034

Technical information	2x1,5 N	3G1,5	4G1,5	5G1,5	2x2,5 N	3G2,5	4G2,5	5G2,5
Product code	1254728	1254730	1254731	1254732	1254729	1254733	1254734	1254735
Nominal diameter of conductor mm	1,3	1,3	1,3	1,3	1,7	1,7	1,7	1,7
Nominal diameter of complete cable mm	8	8	9	9	9	9	10	11
Nominal weight of cable kg/km	73	93	113	135	100	130	161	194
Nominal cross-sectional area of conductor mm ²	1,5	1,5	1,5	1,5	2,5	2,5	2,5	2,5
Nominal thickness of insulation mm	0,5	0,5	0,5	0,5	0,6	0,6	0,6	0,6
Nominal thickness of oversheath mm	1,3	1,4	1,4	1,4	1,3	1,4	1,4	1,4
Maximum forces during installation when pulling by								
Max. pulling force by pulling-eye kN	0,1	0,2	0,3	0,3	0,2	0,3	0,5	0,6
Minimum bending radii								
Minimum bending radius, handling mm	80	80	90	90	90	90	100	110
Minimum bending radius, final bending mm	24	24	27	27	27	27	30	33
Minimum bending radii								
During handling and installation, cable cm	8	8	9	9	9	9	10	11
In final installation, cable cm	2	2	3	3	3	3	3	3
DC resistance								
Max. DC resistance of conductor at 20 °C Ω/km	12,1	12,1	12,1	12,1	7,41	7,41	7,41	7,41
Electrical values								
Minimum insulation resistance MΩ × km	0,011	0,011	0,011	0,011	0,01	0,01	0,01	0,01
Current ratings								
Cables in air (25 °C)								
two loaded conductor, conductor 70 °C A	23	23	23	23	31	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	22	30	30	30	30
three loaded conductor, conductor 70 °C A			18,5	18,5			25	25