

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
Product Environmental Profile	NXNS-00336-V01.01-EN
Conductor	Circular solid copper, EN/IEC 60228 class 1
Insulation	Halogen free UV-resistant polyethylene
Core Identification	Blue, brown Yellowgreen, blue, brown Yellowgreen, blue, brown, black Yellowgreen, blue, brown, black, grey Yellowgreen, white cores , with black numbers
Oversheath	Halogen free UV-resistant polyolefin compound, White

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	3G2,5	2x1,5 N	3G1,5	4G1,5	5G1,5	2x2,5 N	4G2,5	5G2,5
Product code	1254733	1254728	1254730	1254731	1254732	1254729	1254734	1254735
Nominal cross-sectional area of conductor mm ²	2,5	1,5	1,5	1,5	1,5	2,5	2,5	2,5
Nominal diameter of conductor mm	1,7	1,3	1,3	1,3	1,3	1,7	1,7	1,7
Nominal thickness of insulation mm	0,6	0,5	0,5	0,5	0,5	0,6	0,6	0,6
Nominal thickness of oversheath mm	1,4	1,3	1,4	1,4	1,4	1,3	1,4	1,4
Fire load MJ/m	1,358	0,876	1,054	1,233	1,453	1,104	1,610	1,910
Fire load kWh/m	0,377	0,243	0,293	0,343	0,404	0,307	0,447	0,531
(A1-A3) GWP figure kgCO ₂ e/km	331							
Nominal cable diameter mm	9,330	7,620	8,090	8,700	9,480	8,780	10,100	11,040
Nominal cable weight kg/km	130,129	72,747	92,723	112,601	135,165	99,539	160,670	194,378
Metall weight Cu kg/m	0,064	0,026	0,039	0,052	0,065	0,043	0,085	0,106
Maximum forces during installation when pulling by								
Max. pulling force by pulling-eye kN	0,3	0,1	0,2	0,3	0,3	0,2	0,5	0,6
Minimum bending radii								
Minimum bending radius, handling mm	93	76	81	87	95	88	101	110
Minimum bending radius, final bending mm	28	23	24	26	28	26	30	33
Minimum bending radii								
During handling and installation, cable cm	9	8	8	9	9	9	10	11
In final installation, cable cm	3	2	2	3	3	3	3	3
DC resistance								
Max. DC resistance of conductor at 20 °C Ω/km	7,41	12,1	12,1	12,1	12,1	7,41	7,41	7,41
Electrical values								
Minimum insulation resistance MΩ × km	0,01	0,011	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	31	23	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	30	22	22	22	22	30	30	30
three loaded conductor, conductor 70 °C A				18,5	18,5		25	25