

## EQQ LiteRex BK

### 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

<b>Standards</b>	SS 424 02 19-5
<b>Reaction to fire</b>	Dca-s2,d2,a2; EN 13501-6, EN 50575:2014+A1:2016
<b>Product Environmental Profile</b>	PEP NXNS-00336-V01.01-EN
<b>Conductor</b>	Circular solid copper, EN/IEC 60228 class 1
<b>Insulation</b>	UV-protected polyethylene compound
<b>Core Identification</b>	Yellow-green, blue, brown Yellow-green, blue, brown, black, grey
<b>Oversheath</b>	UV-protected polyolefin compound, Black

### 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	5G1,5	3G2,5	5G2,5
<b>Product code</b>	<b>1254900</b>	<b>1254902</b>	<b>1254903</b>	<b>1254905</b>
Nominal cross-sectional area of conductor mm <sup>2</sup>	1,5	1,5	2,5	2,5
Nominal diameter of conductor mm	1,3	1,3	1,7	1,7
Nominal thickness of insulation mm	0,5	0,5	0,6	0,6
Nominal thickness of oversheath mm	1,4	1,4	1,4	1,4
Fire load MJ/m	1,054	1,453	1,358	1,910
Fire load kWh/m	0,293	0,404	0,377	0,531
(A1-A3) GWP figure kgCO <sub>2</sub> e/km	228	343	331	504
Nominal cable diameter mm	8,090	9,480	9,330	11,040
Nominal cable weight kg/km	92,723	135,165	130,129	194,378
Nominal weight of copper kg/m	0,039	0,065	0,064	0,106
<b>Maximum forces during installation when pulling by</b>				
Max. pulling force by pulling-eye kN	0,2	0,3	0,3	0,6
<b>Minimum bending radii</b>				
Minimum bending radius, handling mm	81	95	93	110
Minimum bending radius, final bending mm	24	28	28	33
<b>Minimum bending radii</b>				
During handling and installation, cable cm	8	9	9	11
In final installation, cable cm	2	3	3	3
<b>DC resistance</b>				
Max. DC resistance of conductor at 20 °C Ω/km	12,1	12,1	7,41	7,41
<b>Electrical values</b>				
Minimum insulation resistance MΩ × km	0,011	0,011	0,01	0,01
<b>Current ratings</b>				
<b>Cables in air (25 °C)</b>				
two loaded conductor, conductor 70 °C A	23	23	31	31
three loaded conductor, conductor 70 °C A		19		26
<b>Cables in air (30 °C)</b>				
two loaded conductor, conductor 70 °C A	22	22	30	30
three loaded conductor, conductor 70 °C A		18,5		25