

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

Standards	SS 424 02 19-5
Reaction to fire	Dca-s2,d2,a2; EN 13501-6, EN 50575:2014+A1:2016
Product Environmental Profile (PEP/EPD)	PEP NXNS-00336-V01.01-EN
Conductor	Circular solid copper, EN/IEC 60228 class 1
Insulation	UV-protected polyethylene compound
Core Identification	3G: Yellow-green, blue, brown 5G: Yellow-green, blue, brown, black, grey
Oversheath	UV-protected polyolefin compound, Black

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

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Technical information	3G1,5	5G1,5	3G2,5	5G2,5
Product code	1254900	1254902	1254903	1254905
Nominal cross-sectional area of conductor mm ²	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 emission kgCO ₂ 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
Maximum forces during installation when pulling by				
Max. pulling force by pulling-eye kN	0,2	0,3	0,3	0,6
Minimum bending radii				
Minimum bending radius, handling mm	81	95	93	110
Minimum bending radius, final bending mm	24	28	28	33
Minimum bending radii				
During handling and installation, cable cm	8	9	9	11
In final installation, cable cm	2	3	3	3
DC resistance				
Max. DC resistance of conductor at 20 °C Ω/km	12,1	12,1	7,41	7,41
Electrical values				
Minimum insulation resistance MΩ × km	0,011	0,011	0,01	0,01
Current ratings				
Cables in air (25 °C)				
two loaded conductor, conductor 70 °C A	23	23	31	31
three loaded conductor, conductor 70 °C A		19		26
Cables in air (30 °C)				
two loaded conductor, conductor 70 °C A	22	22	30	30
three loaded conductor, conductor 70 °C A		18,5		25