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 (PEP/EPD)	PEP NXNS-00336-V01.01-EN
Conductor	Circular solid copper, EN/IEC 60228 class 1
Insulation	UV-protected polyethylene compound
Core Identification	2N: Blue, brown 3G: Yellow-green, blue, brown 4G: Yellow-green, blue, brown, black 5G: Yellow-green, blue, brown, black, grey
Oversheath	UV-protected 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

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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 cable diameter mm	8	8	9	9	9	9	10	11
Nominal cable weight kg/km	74	94	114	136	100	131	162	193
Nominal weight of copper kg/km	26	39	52	65	43	64	85	106
Nominal diameter of conductor mm	1,3	1,3	1,3	1,3	1,7	1,7	1,7	1,7
Nominal Insulation thicness mm	0,5	0,5	0,5	0,5	0,6	0,6	0,6	0,6
Nominal thickness of oversheath mm	1,4	1,4	1,4	1,4	1,4	1,4	1,4	1,4
Fire load								
Fire load MJ/m	0,876	1,054	1,233	1,452	1,104	1,358	1,610	1,910
Fire load kWh/m	0,243	0,293	0,343	0,404	0,307	0,377	0,447	0,530
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	76	81	87	95	88	93	101	110
Minimum bending radius, final bending mm	23	24	26	28	26	28	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

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Technical information	2x1,5 N	3G1,5	4G1,5	5G1,5	2x2,5 N	3G2,5	4G2,5	5G2,5
Environmental information								
The product is a declared item in the Supply Chain Declaration Portal (or short ”SCDP”) for New Buildings generation 4	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
(A1-A3) GWP emission kgCO2e/km	174	228	282	343	247	331	413	504
GWP emissions calculation standard	EN15804:2012 + A2:2019	EN15804:2012 + A2:2019	EN15804:2012 + A2:2019	EN15804:2012 + A2:2019	EN15804:2012 + A2:2019	EN15804:2012 + A2:2019	EN15804:2012 + A2:2019	EN15804:2012 + A2:2019

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STANDARD PACKAGES	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
GTIN code	6438176224175	6438176223956	6438176223994	6438176224021	6438176224236	6438176224052	6438176224137	6438176224144
Package	100 bundle	500 K6	500 K6	500 K6	500 K6	500 K6	100 bundle	100 bundle
Product code	1254728	1254730	1254731	1254732	1254729	1254733	1254734	1254735
GTIN code	6438176224168	6438176304457	6438176223963	6438176304471	6438176224212	6438176304495	6438176224113	6438176304518
Package	50 bundle	500 MK6	50 bundle	500 MK6	100 bundle	500 MK6	500 K6	500 MK7
Product code	1254728	1254730	1254731	1254732	1254729	1254733	1254734	1254735
GTIN code	6438176224182	6438176223932	6438176304082	6438176224014	6438176304112	6438176224120	6438176224090	6438176224083
Package	300 spool	100 bundle	250 spool	250 spool	250 spool	100 bundle	50 bundle	500 K7
Product code	1254728	1254730	1254731	1254732	1254729	1254733	1254734	1254735
GTIN code	6438176224199	6438176223925	6438176223970	6438176304099	6438176224205	6438176224038	6438176224106	6438176224069
Package	500 K6	50 bundle	100 bundle	200 spool	50 bundle	50 bundle	200 spool	50 bundle
Product code		1254730	1254731	1254732	1254729	1254733		1254735
GTIN code		6438176223949	6438176223987	6438176224007	6438176224229	6438176224045		6438176304129
Package		300 spool	300 spool	50 bundle	300 spool	250 spool		150 spool
Product code				1254732				1254735
GTIN code				6438176224151				6438176224076
Package				100 bundle				200 spool

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