EQQ-HF D BK - IFXI-LX D BK - MMJ-D BK Helppo

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-00717-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	**1254796**	**1254798**	**1254799**	**1254801**
Nominal cable diameter mm	8	9	9	11
Nominal cable weight kg/km	89	130	127	189
Nominal weight of copper kg/km	39	65	64	106
Nominal diameter of conductor mm	1,3	1,3	1,7	1,7
Nominal Insulation thicness mm	0,5	0,5	0,6	0,6
Nominal thickness of oversheath mm	1,2	1,2	1,2	1,2
Fire load				
Fire load MJ/m	1,054	1,452	1,358	1,910
Fire load kWh/m	0,293	0,404	0,377	0,530
Maximum forces during installation when pulling by				
Max. pulling force by pulling-eye kN	0,2	0,2	0,2	0,2
Minimum bending radii				
Minimum bending radius, handling mm	77	90	89	105
Minimum bending radius, final bending mm	23	27	27	32
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
Environmental information				
(A1-A3) GWP emission kgCO2e/km	319	487	473	734
GWP emissions calculation standard	EN15804:2012 + A2:2019	EN15804:2012 + A2:2019	EN15804:2012 + A2:2019	EN15804:2012 + A2:2019

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STANDARD PACKAGES	3G1,5	5G1,5	3G2,5	5G2,5
Product code	1254796	1254798	1254799	1254801
GTIN code	6438176309834	6438176309872	6438176309858	6438176309896
Package	50 bundle	50 bundle	50 bundle	50 bundle

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