

EXQ 90 Lite D

Installation cable-HF

300/500 V



Application

Installation cable for fixed installations indoors and outdoors. Can be embedded to the groove filled with plaster. The conductor insulation must be protected against UV-radiation. 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
Conductor	Circular solid copper, EN/IEC 60228 class 1 1G6 circular stranded copper, EN/IEC 60228 class 2
Insulation	Cross-linked polyethylene XLPE
Core Identification	1G: Yellow-green 3G: Yellow-green, blue, brown 4G: Yellow-green, blue, brown, black 5G: Yellow-green, blue, brown, black, grey
Oversheath	UV-protected polyolefin compound, Grey

Temperature limits

Max. conductor temperature °C	90
Max. cond. temp. short circuit max. 5 s °C	250
Min. cable temperature during operation °C	-40
Min. cable temperature during handling °C	-15
Min. cable temperature during transport °C	-40

2025-12-18 15:25:43

Technical information	3G1,5	4G1,5	5G1,5	1G2,5	3G2,5	4G2,5	5G2,5	3G4	5G4	1G6
Product code	1300670	1300671	1300672	1300674	1300675	1300676	1300677	1300679	1300680	1300681
Nominal cross-sectional area of conductor mm ²	1,5	1,5	1,5	2,5	2,5	2,5	2,5	4	4	6
Nominal diameter of conductor mm	1,3	1,3	1,3	1,7	1,7	1,7	1,7	2,5	2,6	3,1
Nominal thickness of insulation mm	0,5	0,5	0,5	0,6	0,6	0,6	0,6	0,6	0,6	0,7
Nominal thickness of oversheath mm	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,4	1,2
Fire load MJ/m	1,031	1,217	1,411	0,583	1,348	1,612	1,885	1,584	2,533	0,931
Fire load kWh/m	0,286	0,338	0,392	0,162	0,374	0,448	0,524	0,440	0,704	0,259
Nominal cable diameter mm	7,470	8,090	8,770	5,340	8,720	9,480	10,330	9,820	12,120	6,910
Nominal cable weight kg/km	84,017	103,500	123,390	49,543	120,358	150,426	181,002	172,540	287,760	94,734
Nominal weight of copper kg/m	0,039	0,052	0,065	0,021	0,064	0,085	0,106	0,107	0,178	0,053
Maximum forces during installation when pulling by										
Max. pulling force by pulling-eye kN	0,2	0,3	0,3	0,1	0,3	0,5	0,6	0,6	0,5	0,3
Max. pulling force by pulling-stocking kN										
Minimum bending radii										
Minimum bending radius, handling mm	75	81	88	53	87	95	103	98	121	69
Minimum bending radius, final bending mm	22	24	26	16	26	28	31	29	36	21
Minimum bending radii										
During handling and installation, cable cm	7	8	9	5	9	9	10	10	12	7
In final installation, cable cm	2	2	3	2	3	3	3	3	4	2
DC resistance										
Max. DC resistance of conductor at 20 °C Ω/km	12,1	12,1	12,1	7,41	7,41	7,41	7,41	4,61	12,1	3,08
Current ratings										
Cables in air (25 °C)										
two loaded conductor, conductor 70 °C A	23	23	23		31	31	31	42	42	
three loaded conductor, conductor 70 °C A		19	19			26	26		35	
Cables in air (30 °C)										
two loaded conductor, conductor 70 °C A	22	22	22		30	30	30	40	40	
three loaded conductor, conductor 70 °C A		18,5	18,5			25	25		34	
Cables in the ground (15 °C and 1,0 K.m/W), Installation depth 0,7 m										
Cables in the ground, conductor 65 °C A		26	26			35	35		46	
Cables in the ground (20 °C and 2,5 K.m/W), Installation depth 0,7 m										
Cables in the ground, conductor 90 °C A		27	27			30	30		39	