

Control and Power Cable - 106

CPR EU 305/2011

Cca s1b-d1-a1

CU, G16 INSULATION, M16 OUTER SHEATH.
IEC 60332.1 IEC 60332.3 - HALOGEN FREE

Technical Specifications n° 106/23 of 10/11/2023 Rev. 0

Type: FG16OM16 0,6/1 KV

Conductor: Flexible tinned and/or plain copper conductor according to IEC 60228 cl.5

Insulation: EPR G16 type extruded compound
Temperature range -30 +90° C
Temperature laying 0 +70° C

SIZE	THICKNESS
1,50 mm ²	0,70 ± 0,02 mm
2,5 mm ²	0,70 ± 0,02 mm
4 mm ²	0,7 ± 0,02 mm
6 mm ²	0,70 ± 0,02 mm
10 mm ²	0,70 ± 0,02 mm
16 mm ²	0,70 ± 0,02 mm
25 mm ²	0,90 ± 0,02 mm
35 mm ²	0,90 ± 0,02 mm
50 mm ²	1,00 ± 0,02 mm
70 mm ²	1,10 ± 0,02 mm
95 mm ²	1,10 ± 0,02 mm
120 mm ²	1,20 ± 0,02 mm

Laying up: Twisted to core, UNEL (or to be agreed)

Inner sheath: Extruded compound (if required)

Outer sheath: M16 LSZH extruded compound
Colour: Grey/Black/Green (or to be agreed)

Marking: On the outer sheath "Sensitherm – FG16OM16 0,6/1 KV Siz. IEC 60332.3
WWW/YY (Batch/Num.) Cca s1b-d1-a1 0001 m CE"

Performance:

- Test voltage core to core 3,5 KV
- Flame retardant according to IEC60 332-3-22, CEI 20-22/2
- Low smoke and Halogen free as per IEC 60754-2, CEI 20-37/2
- Low smoke density emiss. IEC 61034 1/2
- Hydrocarbon and UV resistant
- Cable for intrinsically safe application
- Inductance \leq 0,90 mH/Km
- Capacitance \leq 0,200 μ F/Km

CODE OUTER SHEATH BLACK	CODE OUTER SHEATH GREY	ITEM	THICKNESS OUTER SHEATH MM	OVERAL DIAMETER MM	WEIGHT KG/KM	BENDING RADIUS MM
106900501	106703501	FG160M16 0,6/1KV 2x1,5 mm ²	1,8	9,5	260	80
106900502	106703502	FG160M16 0,6/1KV 3x1,5 mm ²	1,8	9,9	300	80
106900503	106703503	FG160M16 0,6/1KV 4x1,5 mm ²	1,8	10,7	340	85
106900504	106703504	FG160M16 0,6/1KV 5x1,5 mm ²	1,8	11,5	390	90
106900505	106703505	FG160M16 0,6/1KV 6x1,5 mm ²	1,8	12,2	440	100
106900506	106703506	FG160M16 0,6/1KV 7x1,5 mm ²	1,8	12,4	460	100
106900507	106703507	FG160M16 0,6/1KV 10x1,5 mm ²	1,8	15,2	380	120
106900508	106703508	FG160M16 0,6/1KV 12x1,5 mm ²	1,8	15,8	420	120
106900509	106703509	FG160M16 0,6/1KV 16x1,5 mm ²	1,8	17,8	550	145
106900510	106703510	FG160M16 0,6/1KV 20x1,5 mm ²	2,0	19,6	650	160
106900511	106703511	FG160M16 0,6/1KV 24x1,5 mm ²	2,0	21,7	780	175
106900512	106703512	FG160M16 0,6/1KV 48x1,5 mm ²	2,0	28	1380	220
106900513	106703513	FG160M16 0,6/1KV 2x2,5 mm ²	1,8	10,4	160	85
106900514	106703514	FG160M16 0,6/1KV 3x2,5 mm ²	1,8	10,9	200	85
106900515	106703515	FG160M16 0,6/1KV 4x2,5 mm ²	1,8	11,8	240	100
106900516	106703516	FG160M16 0,6/1KV 5x2,5 mm ²	1,8	13	300	100
106900517	106703517	FG160M16 0,6/1KV 6x2,5 mm ²	1,8	13,8	340	110
106900518	106703518	FG160M16 0,6/1KV 7x2,5 mm ²	1,8	14	380	120
106900519	106703519	FG160M16 0,6/1KV 10x2,5 mm ²	1,8	17,6	520	145
106900520	106703520	FG160M16 0,6/1KV 12x2,5 mm ²	1,8	18	590	145
106900521	106703521	FG160M16 0,6/1KV 16x2,5 mm ²	2,0	20	750	160
106900522	106703522	FG160M16 0,6/1KV 20x2,5 mm ²	2,0	22	910	175
106900523	106703523	FG160M16 0,6/1KV 24x2,5 mm ²	2,0	24,5	1080	200
106900524	106703524	FG160M16 0,6/1KV 48x2,5 mm ²	2,0	32	1980	260
106900525	106703525	FG160M16 0,6/1KV 2x 4 mm ²	1,8	11,4	200	90

106900526	106703526	FG160M16	0,6/1KV	3x4 mm ²	1,8	11,9	260	90
106900527	106703527	FG160M16	0,6/1KV	4x4 mm ²	1,8	13	320	100
106900528	106703528	FG160M16	0,6/1KV	5x4 mm ²	1,8	14,5	400	115
106900529	106703529	FG160M16	0,6/1KV	7x4 mm ²	1,8	15,7	510	130
106900530	106703530	FG160M16	0,6/1KV	2x6 mm ²	1,8	13	270	100
106900531	106703531	FG160M16	0,6/1KV	3x6 mm ²	1,8	13,8	350	110
106900532	106703532	FG160M16	0,6/1KV	4x6 mm ²	1,8	15	440	120
106900533	106703533	FG160M16	0,6/1KV	5x 6 mm ²	2,0	16,4	520	130
106900534	106703534	FG160M16	0,6/1KV	2x10 mm ²	1,8	16,8	420	135
106900535	106703535	FG160M16	0,6/1KV	3x10 mm ²	1,8	18	550	140
106900536	106703536	FG160M16	0,6/1KV	4x10 mm ²	1,8	19,4	700	155
106900537	106703537	FG160M16	0,6/1KV	5x10 mm ²	2,0	21,5	840	170
106900538	106703538	FG160M16	0,6/1KV	2x16 mm ²	1,8	19	580	150
106900539	106703539	FG160M16	0,6/1KV	3x16 mm ²	2,0	20,5	780	160
106900540	106703540	FG160M16	0,6/1KV	4x16 mm ²	2,0	22,5	990	180
106900541	106703541	FG160M16	0,6/1KV	5x16 mm ²	2,0	24,6	1200	200
106900542	106703542	FG160M16	0,6/1KV	3x25 mm ²	2,0	24	1100	200
106900543	106703543	FG160M16	0,6/1KV	4x25 mm ²	2,0	26,5	1400	210
106900544	106703544	FG160M16	0,6/1KV	5x25 mm ²	2,0	29	1700	230
106900545	106703545	FG160M16	0,6/1KV	3x35 mm ²	2,0	26,6	1480	210
106900546	106703546	FG160M16	0,6/1KV	3½x35 mm ²	2,0	29	1650	230
106900547	106703547	FG160M16	0,6/1Kv	5x35 mm ²	2,0	32,4	2200	260
106900548	106703548	FG160M16	0,6/1KV	3x50 mm ²	2,0	30,6	1990	240
106900549	106703549	FG160M16	0,6/1KV	3½x50 mm ²	2,0	32	2200	260
106900550	106703550	FG160M16	0,6/1KV	3x70 mm ²	2,0	35	2650	280
106900551	106703551	FG160M16	0,6/1KV	3½x70 mm ²	2,0	38	3000	300
106900552	106703552	FG160M16	0,6/1KV	3x95 mm ²	2,0	39	3400	310
106900553	106703553	FG160M16	0,6/1KV	3½x95 mm ²	2,0	43	4000	340
106900554	106703554	FG160M16	0,6/1KV	3x120 mm ²	2,0	43	4300	340
106900555	106703555	FG160M16	0,6/1KV	3½x120 mm ²	2,0	46,5	4700	370

Weight and diameter: Are theoretical + / - 10%

Intended use: Control and power cable in buildings and other civil engineering works with the objective of limiting the generation and spread of fire and smoke.