

Control and Power Cable - 106 FG160M16

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° 106/18 of 18/09/2018 Rev. 0

Type:	F-Cu/G16/M16 0,6/1KV FG160M16 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 (or to be agreed)
Marking:	On the outer sheath "Sensitherm – FG160M16 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

ITEM	THICKNESS OUTER SHEATH MM	OVERAL DIAMETER MM	WEIGHT KG/KM	BENDING RADIUS MM	
FG160M16	0,6/1KV 2x1,5 mm ²	1,8	9,5	260	80
FG160M16	0,6/1KV 3x1,5 mm ²	1,8	9,9	300	80
FG160M16	0,6/1KV 4x1,5 mm ²	1,8	10,7	340	85
FG160M16	0,6/1KV 5x1,5 mm ²	1,8	11,5	390	90
FG160M16	0,6/1KV 6x1,5 mm ²	1,8	12,2	440	100
FG160M16	0,6/1KV 7x1,5 mm ²	1,8	12,4	460	100
FG160M16	0,6/1KV 10x1,5 mm ²	1,8	15,2	380	120
FG160M16	0,6/1KV 12x1,5 mm ²	1,8	15,8	420	120
FG160M16	0,6/1KV 16x1,5 mm ²	1,8	17,8	550	145
FG160M16	0,6/1KV 20x1,5 mm ²	2,0	19,6	650	160
FG160M16	0,6/1KV 24x1,5 mm ²	2,0	21,7	780	175
FG160M16	0,6/1KV 48x1,5 mm ²	2,0	28	1380	220
FG160M16	0,6/1KV 2x2,5 mm ²	1,8	10,4	160	85
FG160M16	0,6/1KV 3x2,5 mm ²	1,8	10,9	200	85
FG160M16	0,6/1KV 4x2,5 mm ²	1,8	11,8	240	100
FG160M16	0,6/1KV 5x2,5 mm ²	1,8	13	300	100
FG160M16	0,6/1KV 6x2,5 mm ²	1,8	13,8	340	110
FG160M16	0,6/1KV 7x2,5 mm ²	1,8	14	380	120
FG160M16	0,6/1KV 10x2,5 mm ²	1,8	17,6	520	145
FG160M16	0,6/1KV 12x2,5 mm ²	1,8	18	590	145
FG160M16	0,6/1KV 16x2,5 mm ²	2,0	20	750	160
FG160M16	0,6/1KV 20x2,5 mm ²	2,0	22	910	175
FG160M16	0,6/1KV 24x2,5 mm ²	2,0	24,5	1080	200
FG160M16	0,6/1KV 48x2,5 mm ²	2,0	32	1980	260
FG160M16	0,6/1KV 2x 4 mm ²	1,8	11,4	200	90
FG160M16	0,6/1KV 3x4 mm ²	1,8	11,9	260	90
FG160M16	0,6/1KV 4x4 mm ²	1,8	13	320	100

FG160M16	0,6/1KV	5x4 mm ²	1,8	14,5	400	115
FG160M16	0,6/1KV	7x4 mm ²	1,8	15,7	510	130
FG160M16	0,6/1KV	2x6 mm ²	1,8	13	270	100
FG160M16	0,6/1KV	3x6 mm ²	1,8	13,8	350	110
FG160M16	0,6/1KV	4x6 mm ²	1,8	15	440	120
FG160M16	0,6/1KV	5x 6 mm ²	2,0	16,4	520	130
FG160M16	0,6/1KV	2x10 mm ²	1,8	16,8	420	135
FG160M16	0,6/1KV	3x10 mm ²	1,8	18	550	140
FG160M16	0,6/1KV	4x10 mm ²	1,8	19,4	700	155
FG160M16	0,6/1KV	5x10 mm ²	2,0	21,5	840	170
FG160M16	0,6/1KV	2x16 mm ²	1,8	19	580	150
FG160M16	0,6/1KV	3x16 mm ²	2,0	20,5	780	160
FG160M16	0,6/1KV	4x16 mm ²	2,0	22,5	990	180
FG160M16	0,6/1KV	5x16 mm ²	2,0	24,6	1200	200
FG160M16	0,6/1KV	3x25 mm ²	2,0	24	1100	200
FG160M16	0,6/1KV	4x25 mm ²	2,0	26,5	1400	210
FG160M16	0,6/1KV	5x25 mm ²	2,0	29	1700	230
FG160M16	0,6/1KV	3x35 mm ²	2,0	26,6	1480	210
FG160M16	0,6/1KV	3½x35 mm ²	2,0	29	1650	230
FG160M16	0,6/1Kv	5x35 mm ²	2,0	32,4	2200	260
FG160M16	0,6/1KV	3x50 mm ²	2,0	30,6	1990	240
FG160M16	0,6/1KV	3½x50 mm ²	2,0	32	2200	260
FG160M16	0,6/1KV	3x70 mm ²	2,0	35	2650	280
FG160M16	0,6/1KV	3½x70 mm ²	2,0	38	3000	300
FG160M16	0,6/1Kv	3x95 mm ²	2,0	39	3400	310
FG160M16	0,6/1KV	3½x95 mm ²	2,0	43	4000	340
FG160M16	0,6/1KV	3x120 mm ²	2,0	43	4300	340
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.