

## Fire resistant Cable - 110

## CPR EU 305/2011

**F Conductor, FR-HEPR G18 INSULATION, M16 OUTER SHEATH.  
EN50200 PH 120, IEC 60502-1, IEC 60332.3 – HALOGEN FREE**

### Technical Specifications n° 110/20 of 30/09/2020 Rev. 0

<b>Type:</b>	F-Cu/MGT/G18/M16 0,6/1KV FTG180M16 0,6/1KV
<b>Conductor:</b>	Flexible plain or tinned copper conductor according to IEC60228 cl.5
<b>Insulation:</b>	Mica glass tape plus FR-HEPR G18 type extruded compound Temperature range -40 +90° C Temperature laying -5 +70° C

SIZE	THICKNESS
1,5 mm <sup>2</sup>	1,0 ± 0,02 mm
2,5 mm <sup>2</sup>	1,0 ± 0,02 mm
4,0 mm <sup>2</sup>	1,0 ± 0,02 mm
6,0 mm <sup>2</sup>	1,0 ± 0,02 mm
10 mm <sup>2</sup>	1,0 ± 0,02 mm
16 mm <sup>2</sup>	1,0 ± 0,02 mm

**Laying up:** Twisted to cores, UNEL 00722 color ( or to be agreed )

**Outer sheath:** M16 LSZH extruded compound

**Marking:** On the outer sheath "Sensitherm – FTG180M16 0,6/1 KV Siz. IEC 60332.3 EN50200 PH120 WWW/YY (Batch/Num.) B2ca s1a-d1-a1 0001 m"

**Performance:**

- Test voltage core to core 3,5 KV
- Flame retardant according to IEC 60332-3-24, CEI 20-22/3
- Low smoke and Halogen free as per IEC 60754-2, CEI 20-37/2
- Low smoke density emission IEC 61034 ½
- Fire resistant EN50200 PH120
- Hydrocarbon and UV resistant
- This cable is suitable to be used in ATEX area following the EN60079-14 prescription
- EN50575 tested for approval, **B2ca s1a, d1, a1**

ITEM		THICKNESS OUTER SHEATH MM	OVERAL DIAMETER MM	WEIGHT KG/KM	BENDING RADIUS MM
FTG180M16 0,6/1KV	2x1,5 mm <sup>2</sup>	1,8	10,8	160	150
FTG180M16 0,6/1KV	2x2,5 mm <sup>2</sup>	1,8	11,6	180	162
FTG180M16 0,6/1KV	2x4 mm <sup>2</sup>	1,8	13,0	240	182
FTG180M16 0,6/1KV	2x6 mm <sup>2</sup>	1,8	14,4	300	202
FTG180M16 0,6/1KV	2x10 mm <sup>2</sup>	2,0	17,0	420	238
FTG180M16 0,6/1KV	2x16 mm <sup>2</sup>	2,0	20,0	580	280
FTG180M16 0,6/1KV	3x1,5 mm <sup>2</sup>	1,8	11,6	200	162
FTG180M16 0,6/1KV	3x2,5 mm <sup>2</sup>	1,8	12,6	240	176
FTG180M16 0,6/1KV	3x4 mm <sup>2</sup>	1,8	13,6	310	190
FTG180M16 0,6/1KV	3x6 mm <sup>2</sup>	1,8	15,2	390	213
FTG180M16 0,6/1KV	3x10 mm <sup>2</sup>	2,0	17,7	550	248
FTG180M16 0,6/1KV	3x16 mm <sup>2</sup>	2,0	21	780	294
FTG180M16 0,6/1KV	4x1,5 mm <sup>2</sup>	1,8	12,5	230	175
FTG180M16 0,6/1KV	4x2,5 mm <sup>2</sup>	1,8	13,6	300	190
FTG180M16 0,6/1KV	4x4 mm <sup>2</sup>	1,8	14,8	380	207
FTG180M16 0,6/1KV	4x6 mm <sup>2</sup>	1,8	16,5	490	231
FTG180M16 0,6/1KV	4x10 mm <sup>2</sup>	2,0	19,5	700	273
FTG180M16 0,6/1KV	4x16 mm <sup>2</sup>	2,0	23	990	322
FTG180M16 0,6/1KV	5x1,5 mm <sup>2</sup>	1,8	13,5	280	189
FTG180M16 0,6/1KV	5x2,5 mm <sup>2</sup>	1,8	14,8	350	208
FTG180M16 0,6/1KV	5x4 mm <sup>2</sup>	1,8	16,2	450	227
FTG180M16 0,6/1KV	5x6 mm <sup>2</sup>	2,0	18,2	580	255
FTG180M16 0,6/1KV	5x10 mm <sup>2</sup>	2,0	21,4	840	300
FTG180M16 0,6/1KV	5x16 mm <sup>2</sup>	2,0	25	1200	350
FTG180M16 0,6/1KV	7x1,5 mm <sup>2</sup>	1,8	14,6	340	204
FTG180M16 0,6/1KV	10x1,5 mm <sup>2</sup>	1,8	18,2	470	255
FTG180M16 0,6/1KV	12x1,5 mm <sup>2</sup>	1,8	18,8	530	263
FTG180M16 0,6/1KV	14x1,5 mm <sup>2</sup>	2,0	19,8	600	277
FTG180M16 0,6/1KV	19x1,5 mm <sup>2</sup>	2,0	21,8	760	305
FTG180M16 0,6/1KV	24x1,5 mm <sup>2</sup>	2,0	25,4	950	356
FTG180M16 0,6/1KV	27x1,5 mm <sup>2</sup>	2,0	26	1040	364
FTG180M16 0,6/1KV	7x2,5 mm <sup>2</sup>	1,8	16	440	224
FTG180M16 0,6/1KV	10x2,5 mm <sup>2</sup>	1,8	20	610	280
FTG180M16 0,6/1KV	12x2,5 mm <sup>2</sup>	2,0	21	700	294

FTG180M16 0,6/1KV	14x2,5 mm <sup>2</sup>	2,0	21,8	790	305
FTG180M16 0,6/1KV	19x2,5 mm <sup>2</sup>	2,0	24	1020	336
FTG180M16 0,6/1KV	24x2,5 mm <sup>2</sup>	2,0	28	1260	392

Weight and diameter are theoretical +/- 10%