

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° 110/23 of 10/11/2023 Rev. 0

Type: FTG180M16 0,6/1KV

Conductor: Flexible plain or tinned copper conductor according to IEC60228 cl.5

Insulation: Mica glass tape plus FR-HEPR G18 type extruded compound
Temperature range -30 +90° C
Temperature laying 0 +70° C

SIZE	THICKNESS
1,5 mm ²	1,0 ± 0,02 mm
2,5 mm ²	1,0 ± 0,02 mm
4,0 mm ²	1,0 ± 0,02 mm
6,0 mm ²	1,0 ± 0,02 mm
10 mm ²	1,0 ± 0,02 mm
16 mm ²	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 (excluding annex E)
- EN50575 tested for approval, **B2ca s1a, d1, a1**

CODE OUTER SHEATH RED	CODE OUTER SHEATH BLUE	ITEM	THICKNESS OUTER SHEATH MM	OVERAL DIAMETER MM	WEIGHT KG/KM	BENDING RADIUS MM
110300001	110501501	FTG180M16 0,6/1KV 2x1,5 mm ²	1,8	10,4	160	150
110300002	110501502	FTG180M16 0,6/1KV 2x2,5 mm ²	1,8	12	180	162
110300003	110501503	FTG180M16 0,6/1KV 2x4 mm ²	1,8	13,0	240	182
110300004	110501504	FTG180M16 0,6/1KV 2x6 mm ²	1,8	14	300	202
110300005	110501505	FTG180M16 0,6/1KV 2x10 mm ²	2,0	16,2	420	238
110300006	110501506	FTG180M16 0,6/1KV 2x16 mm ²	2,0	17,5	580	280
110300007	110501507	FTG180M16 0,6/1KV 3x1,5 mm ²	1,8	11,6	200	162
110300008	110501508	FTG180M16 0,6/1KV 3x2,5 mm ²	1,8	13	240	176
110300009	110501509	FTG180M16 0,6/1KV 3x4 mm ²	1,8	13,6	310	190
110300010	110501510	FTG180M16 0,6/1KV 3x6 mm ²	1,8	15,2	390	213
110300011	110501511	FTG180M16 0,6/1KV 3x10 mm ²	2,0	17,7	550	248
110300012	110501512	FTG180M16 0,6/1KV 3x16 mm ²	2,0	20,2	780	294
110300013	110501513	FTG180M16 0,6/1KV 4x1,5 mm ²	1,8	12,5	230	175
110300014	110501514	FTG180M16 0,6/1KV 4x2,5 mm ²	1,8	13,6	300	190
110300015	110501515	FTG180M16 0,6/1KV 4x4 mm ²	1,8	14,8	380	207
110300016	110501516	FTG180M16 0,6/1KV 4x6 mm ²	1,8	16,5	490	231
110300017	110501517	FTG180M16 0,6/1KV 4x10 mm ²	2,0	19,5	700	273
110300018	110501518	FTG180M16 0,6/1KV 4x16 mm ²	2,0	23	990	322
110300019	110501519	FTG180M16 0,6/1KV 5x1,5 mm ²	1,8	13,5	280	189
110300020	110501520	FTG180M16 0,6/1KV 5x2,5 mm ²	1,8	14,8	350	208
110300021	110501521	FTG180M16 0,6/1KV 5x4 mm ²	1,8	16,2	450	227
110300022	110501522	FTG180M16 0,6/1KV 5x6 mm ²	2,0	18,2	580	255
110300023	110501523	FTG180M16 0,6/1KV 5x10 mm ²	2,0	21,4	840	300
110300024	110501524	FTG180M16 0,6/1KV 5x16 mm ²	2,0	25	1200	350
110300025	110501525	FTG180M16 0,6/1KV 7x1,5 mm ²	1,8	14,6	340	204
110300026	110501526	FTG180M16 0,6/1KV 10x1,5 mm ²	1,8	18,2	470	255
110300027	110501527	FTG180M16 0,6/1KV 12x1,5 mm ²	1,8	18,8	530	263
110300028	110501528	FTG180M16 0,6/1KV 14x1,5 mm ²	2,0	19,8	600	277
110300029	110501529	FTG180M16 0,6/1KV 19x1,5 mm ²	2,0	21,8	760	305
110300030	110501530	FTG180M16 0,6/1KV 24x1,5 mm ²	2,0	25,4	950	356
110300031	110501531	FTG180M16 0,6/1KV 27x1,5 mm ²	2,0	26	1040	364
110300032	110501532	FTG180M16 0,6/1KV 7x2,5 mm ²	1,8	16	440	224

110300033	110501533	FTG180M16 0,6/1KV	10x2,5 mm ²	1,8	20	610	280
110300034	110501534	FTG180M16 0,6/1KV	12x2,5 mm ²	2,0	21	700	294
110300035	110501535	FTG180M16 0,6/1KV	14x2,5 mm ²	2,0	21,8	790	305
110300036	110501536	FTG180M16 0,6/1KV	19x2,5 mm ²	2,0	24	1020	336
110300037	110501537	FTG180M16 0,6/1KV	24x2,5 mm ²	2,0	28	1260	392

Weight and diameter: Are theoretical + / - 10%