

# MINING CABLES

## FLEXIMINING® MEDIUM Type MP GC

From 5 Kv 100% & 133% insulation level, up to 15 Kv 100% insulation level

ELETTROTEK KABEL® FLEXIMINING® MEDIUM Type MP GC



### Construction:

**Conductor:** concentric stranded bare copper acc. to ASTM B-3 or ASTM B-33, and ASTM B-8 or ASTM B-496

**Inner semi-conductive layer:** semi-conducting compound

**Insulation:** XLPE compound

**Outer semi-conductive layer:** semi-conducting compound

**Power screen:** bare copper tape

**Earth conductors:** bare or tinned copper acc. to class B, uninsulated

**Monitoring conductor:** bare copper

**Monitoring insulation:** XLPE or PP compound

**Cores color:** **Power:** color tapes in each phase (standard: black, white, red acc. to ICEA S-75-381)  
**Monitoring:** yellow

**Stranding:** phase units laid up with uninsulated earth-conductors and monitoring conductors in interstices + fillers

**Wrapping:** binder tape

**Supporting screen:** open reinforcement for mechanical strength

**Outer sheath:**

### Features:

others colours on request

acc. to standard ICEA S-75-381

on request UL/CSA

on request EPR/CPE version

MSHA approval

RoHS approval



### Technical data:

**Nominal voltage:** 5 kV 100% or 133% insulation level up to 15 kV 100% insulation level

**Temperature range:**

*Flexible installation:* -40°C up to +90°C

**Min. bending radius:** 15 x D

### Applications:

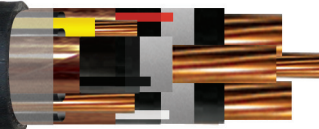
Mine power feeder cable, suitable in high-voltage distribution circuits for permanent or semi-portable installations in mining and industrial applications

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From 5 Kv 100% & 133% insulation level, up to 15 Kv 100% insulation level

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5 kV 100% or 133%  
insulation level

POWER

GROUND/MONITORING

Part no.	AWG no.)*	AWG no.)* Kcmil	Outer-Ø inches/mm ± 10%	Outer-Ø inches/mm ± 10%	Cable weight approx. Lbs/Mft-kg/km	Cable weight approx. Lbs/Mft-kg/km
06170275037A06	6	10/10	1,25	31,6	991	1475
06170275037A04	4	8/8	1,33	33,7	1193	1775
06170275037A02	2	6/8	1,46	37,1	1597	2376
06170275037A01	1	5/8	1,53	38,9	1780	2649
06170275037A1C	1/0	4/8	1,63	41,4	2100	3125
06170275037A2C	2/0	3/8	1,75	44,5	2580	3840
06170275037A4C	4/0	1/8	2,01	51	3745	5573
06170275037A5C	250 MCM	1/0 - 8	2,1	53,4	4460	6637
06170275037A7C	350 MCM	2/0 - 8	2,32	58,9	5880	8750
06170275037AAC	500 MCM	4/0 - 8	2,60	65,9	7945	11823

8 kV 100%  
insulation level

POWER

GROUND/MONITORING

Part no.	AWG/MCM no.)*	AWG no.)* Kcmil	Outer-Ø inches/mm ± 10%	Outer-Ø inches/mm ± 10%	Cable weight approx. Lbs/Mft-kg/km	Cable weight approx. Lbs/Mft-kg/km
06170P75037A06	6	10/10	1,36	34,5	1077	1603
06170P75037A04	4	8/8	1,44	36,6	1295	1927
06170P75037A02	2	6/8	1,51	38,4	1697	2525
06170P75037A01	1	5/8	1,65	41,8	1968	2929
06170P75037A1C	1/0	4/8	1,75	44,5	2280	3393
06170P75037A2C	2/0	3/8	1,87	47,5	2794	4157
06170P75037A4C	4/0	1/8	2,1	53,3	3888	5786
06170P75037A5C	250 MCM	1/0 - 8	2,22	56,4	4705	7002
06170P75037A7C	350 MCM	2/0 - 8	2,43	61,7	5990	8914
06170P75037AAC	500 MCM	4/0 - 8	2,73	69,2	8150	12128

15 kV 100%  
insulation level

POWER

GROUND/MONITORING

Part no.	AWG/MCM no.)*	AWG no.)* Kcmil	Outer-Ø inches/mm ± 10%	Outer-Ø inches/mm ± 10%	Cable weight approx. Lbs/Mft-kg/km	Cable weight approx. Lbs/Mft-kg/km
06170T75037A02	2	6/8	1,88	47,7	2167	3225
06170T75037A01	1	5/8	1,96	49,8	2424	3606
06170T75037A1C	1/0	4/8	2,04	51,8	2691	4004
06170T75037A2C	2/0	3/8	2,15	54,7	3127	4653
06170T75037A4C	4/0	1/8	2,39	60,8	4305	6406
06170T75037A5C	250	1/0 - 8	2,48	62,9	5095	7582
06170T75037A7C	350	2/0 - 8	2,73	69,2	6445	9591
06170T75037AAC	500	4/0 - 8	3,08	78,1	8433	12548

Other dimensions and colors available on request.