

INDUSTRIAL LOW VOLTAGE CABLES

FG7(O)MI 0,6/1 kV



ELETTROTEK KABEL® FG7OM1

Construction:

- Conductor:** flexible red copper conductor Cl.5, acc. to IEC 60228
- Insulation:** HEPR, type G7
- Colour cores:** acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores
- Inner sheath:** not hygroscopic filler
- Outer sheath:** green (RAL 6018), thermoplastic, halogen-free, type M1

Resistance:



Self-extinguishing and flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50266-2-4
IEC 60332-1-2 CEI 20-22 III
(equivalent IEC 60332-3-24)



Halogen free acc. to:
DIN VDE 0482 part 267
EN 50267-2-1
IEC 60754-1



Corrosiveness of conflagration gases acc. to:
DIN VDE 0482 part 267
EN 50267-2-2
IEC 60754-2

Technical data:

- Nominal voltage:** 0,6/1 kV
- Test voltage:** 4 kV
- Temperature range:** - 15 °C / + 90 °C
- Max short circuit temperature:** + 250 °C
- Min. bending radius**
- Power cables:* 4 x d
- Control cables:* 6 x d
- Max. tensile stress:** 50 N/mm²

Features:

CEI 20-13 / 20-22 III (EN 50266) / 20-35 (EN 60332-1)
20-37 (EN 50267) / UNEL TABLES 35382 - 35384

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46150GEL010M62	1x16	9,6	153,6	206	6
46150GEL010M63	1x25	11,5	240	295	4
46150GEL010M64	1x35	12,5	336	359	2
46150GEL010M65	1x50	14,5	480	542	1
46150GEL010M66	1x70	16,4	672	739	2/0
46150GEL010M67	1x95	18	912	964	3/0
46150GEL010M68	1x120	20,3	1152	1189	4/0
46150GEL010M69	1x150	21,6	1440	1484	250 MCM
46150GEL010M70	1x185	24	1776	1780	350 MCM
46150GEL010M71	1x240	27	2304	2319	450 MCM
46150GEL010M72	1x300	29,3	2880	2877	550 MCM
46150GE3020M15	2x1,5	10	28,8	127	16
46150GE3020M25	2x2,5	11	48	158	14
46150GE3020M40	2x4	12,2	76,8	208	12
46150GE3020M60	2x6	13,1	115,2	258	10
46150GE3020M61	2x10	15,2	192	385	8
46150GE3020M62	2x16	17,4	307,2	565	6
46150GE3020M63	2x25	20,3	480	793	4
46150GE3020M64	2x35	22,3	672	1037	2
46150GE3020M65	2x50	26,2	960	1447	1
46150GE3020M66	2x70	30,8	1344	2224	2/0
46150GE3020M67	2x95	34,2	1824	2848	3/0
46150GE3020M68	2x120	38,4	2304	3599	4/0
46150GE3020M69	2x150	42,4	2880	3939	250 MCM

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46150GE2031M15	3G1,5	10,4	43,2	143	16
46150GE2031M25	3G2,5	11,4	72	183	14
46150GE2031M40	3G4	12,8	115,2	244	12
46150GE2031M60	3G6	13,8	172,8	314	10
46150GE2031M61	3G10	16,9	288	493	8
46150GE2031M62	3G16	18,2	460,8	678	6
46150GE2031M63	3G25	21,2	720	977	4
46150GE2031M64	3G35	23,5	1008	1354	2
46150GE2031M65	3G50	30	1440	1918	1
46150GE2031M66	3G70	34	2016	2624	2/0
46150GE2031M67	3G95	37,8	2736	3418	3/0
46150GE2031M68	3G120	42,6	3456	4326	4/0
46150GE2031M69	3G150	47,1	4320	5348	250 MCM
46150GE2031M70	3G185	53,3	5328	6611	350 MCM
46150GE2031M71	3G240	60,7	6912	8613	450 MCM
46150GE2041M15	4G1,5	11,2	57,6	167	16
46150GE2041M25	4G2,5	12,3	96	221	14
46150GE2041M40	4G4	13,7	153,6	293	12
46150GE2041M60	4G6	14,9	230,4	387	10
46150GE2041M61	4G10	18	384	599	8
46150GE2041M62	4G16	20,3	614,4	871	6
46150GE2041M63	4G25	23,5	960	1239	4
46150GE2035M64	3x35+25	26,3	1248	1589	2
46150GE2035M65	3x50+25	30,3	1680	2116	1
46150GE2035M66	3x70+35	35,7	2352	2975	2/0
46150GE2035M67	3x95+50	41	3216	3971	3/0
46150GE2035M68	3x120+70	45	4128	5219	4/0
46150GE2035M69	3x150+95	52	5232	6511	250 MCM
46150GE2035M70	3x185+95	56,72	6240	7669	350 MCM
46150GE2035M71	3x240+150	65,5	8352	10279	450 MCM
46150GE2051M15	5G1,5	12,1	72	197	16
46150GE2051M25	5G2,5	13,5	120	262	14
46150GE2051M40	5G4	15,2	192	361	12
46150GE2051M60	5G6	16,6	288	476	10
46150GE2051M61	5G10	19,6	480	756	8
46150GE2051M62	5G16	22,5	768	1119	6
46150GE2051M63	5G25	26,4	1200	1597	4
46150GE0071M15	7G1,5	13,6	100,8	261	16
46150GE0071M25	7G2,5	14,9	168	344	14
46150GE0101M15	10G1,5	15,6	144	344	16
46150GE0101M25	10G2,5	17,2	240	463	14
46150GE0121M15	12G1,5	17	172,8	393	16
46150GE0121M25	12G2,5	17,6	288	537	14
46150GE0161M15	16G1,5	18,5	230,4	535	16
46150GE0161M25	16G2,5	21,5	384	738	14
46150GE0191M15	19G1,5	18,8	273,6	598	16
46150GE0191M25	19G2,5	21,6	456	831	14
46150GE0241M15	24G1,5	21,7	345,6	718	16
46150GE0241M25	24G2,5	24,7	576	1029	14

Other dimensions and colours available on request.