

INDUSTRIAL LOW VOLTAGE CABLES

FG16(O)M16 0,6/1 kV

acc. to CPR UE 305/11, EN 50575:2014 + A1:2016, Cca-s1b, d1, a1



ELETTROTEK KABEL® FG16(O)M16, Cca-s1b, d1, a1



Construction:

- Conductor:** flexible red copper conductor Cl.5, acc.to IEC 60228
- Insulation:** HEPR type G16
- 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 (if any)
- Outer sheath:** green (RAL 6018), thermoplastic halogen-free type M16

Technical data:

- Nominal voltage:** U₀/U 0,6/1 kV
- Test voltage:** 4 kV
- Temperature range:** - 15 °C up to + 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

Resistance:



Flame / Fire retardant and self-extinguishing acc.to:
DIN VDE 0482 part 265-2-1,
IEC EN 60332-1-2,
EN 50399



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



Smoke density acc. to:
IEC 61034
EN 61034, CEI 20-38 as far as applicable

Features:

according to IEC 60502-1

CEI 20-13 / CEI 20-35 (IEC EN 60332-1-2), EN 50399, CEI 20-37 (EN 50267) / CEI 20-38 as far as applicable

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classification (CEI UNEL 35016), EN 13501-6

acc. to CEI UNEL 35324, 35328

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.*)
46570GEL010M15	1x1,5	7,7	14,4	75	16
46570GEL010M25	1x2,5	8,2	24	90	14
46570GEL010M40	1x4	8,8	38,4	105	12
46570GEL010M60	1x6	9,4	57,6	130	10
46570GEL010M61	1x10	10,9	96	171	8
46570GEL010M62	1x16	11,4	153,6	226	6
46570GEL010M63	1x25	13,2	240	322	4
46570GEL010M64	1x35	14,6	336	418	2
46570GEL010M65	1x50	16,4	480	571	1
46570GEL010M66	1x70	18,3	672	773	2/0
46570GEL010M67	1x95	20,4	912	983	3/0
46570GEL010M68	1x120	22,4	1152	1260	4/0
46570GEL010M69	1x150	24,8	1440	1553	250 MCM
46570GEL010M70	1x185	27,1	1776	1878	350 MCM
46570GEL010M71	1x240	30,3	2304	2408	450 MCM
46570GEL010M72	1x300	33	2880	2983	550 MCM
46570GEL010M73	1x400	37,7	3840	3870	750 MCM
46570GE3020M15	2x1,5	12	28,8	139	16
46570GE3020M25	2x2,5	13	48	174	14
46570GE3020M40	2x4	14,2	76,8	223	12
46570GE3020M60	2x6	15,4	115,2	283	10
46570GE3020M61	2x10	17,3	192	405	8
46570GE3020M62	2x16	19,4	307,2	592	6
46570GE3020M63	2x25	23	480	841	4
46570GE3020M64	2x35	26,4	672	1116	2
46570GE3020M65	2x50	29,3	960	1539	1
46570GE3020M66	2x70	33,1	1344	2138	2/0
46570GE3020M67	2x95	37,4	1824	2759	3/0
46570GE3020M68	2x120	41,5	2304	3465	4/0
46570GE3020M69	2x150	46,1	2880	4020	250 MCM
46570GE3020M70	2x185	48,8	3552	5943	350 MCM
46570GE3020M71	2x240	57,7	4608	6760	450 MCM

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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. *)
46570GE2031M15	3G1,5	12,5	43,2	158	16
46570GE2031M25	3G2,5	13,6	72	201	14
46570GE2031M40	3G4	14,9	115,2	261	12
46570GE2031M60	3G6	16,2	172,8	338	10
46570GE2031M61	3G10	18,2	288	501	8
46570GE2031M62	3G16	20,6	460,8	721	6
46570GE2031M63	3G25	24,5	720	1039	4
46570GE2031M64	3G35	27,3	1008	1413	2
46570GE2031M65	3G50	31,2	1440	1956	1
46570GE2031M66	3G70	35,6	2016	2681	2/0
46570GE2031M67	3G95	40,0	2736	3426	3/0
46570GE2031M68	3G120	44,4	3456	4359	4/0
46570GE2031M69	3G150	49,5	4320	5389	250 MCM
46570GE2031M70	3G185	55,2	5328	6627	350 MCM
46570GE2031M71	3G240	61,9	6912	8603	450 MCM
46570GE2031M72	3G300	68,0	8640	10850	550 MCM
46570GE2041M15	4G1,5	13,4	57,6	184	16
46570GE2041M25	4G2,5	14,6	96	240	14
46570GE2041M40	4G4	16,0	153,6	301	12
46570GE2041M60	4G6	17,5	230,4	407	10
46570GE2041M61	4G10	19,8	384	613	8
46570GE2041M62	4G16	22,4	614,4	894	6
46570GE2041M63	4G25	26,8	960	1280	4
46570GE2041M64	4G35	-	1344	1805	2
46570GE2041M65	4G50	-	1920	2557	1
46570GE2041M66	4G70	-	2688	3499	2/0
46570GE2041M67	4G95	-	3648	4557	3/0
46570GE2035M64	3x35+1G25	29,2	1248	1656	2
46570GE2035M65	3x50+1G25	32,4	1680	2182	1
46570GE2035M66	3x70+1G35	37,0	2352	3007	2/0
46570GE2035M67	3x95+1G50	42,0	3216	3934	3/0
46570GE2035M68	3x120+1G70	46,9	4128	4993	4/0
46570GE2035M69	3x150+1G95	52,5	5232	6377	250 MCM
46570GE2035M70	3x185+1G95	57,3	6240	7566	350 MCM
46570GE2035M71	3x240+1G150	65,5	8352	10076	450 MCM
46570GE2035M72	3x300+1G150	70,8	10080	12000	550 MCM
46570GE2051M15	5G1,5	14,4	72	217	16
46570GE2051M25	5G2,5	15,6	120	287	14
46570GE2051M40	5G4	17,3	192	382	12
46570GE2051M60	5G6	18,9	288	499	10
46570GE2051M61	5G10	21,5	480	762	8
46570GE2051M62	5G16	24,4	768	1113	6
46570GE2051M63	5G25	29,3	1200	1636	4
46570GE2051M64	5G35	32,8	1680	2177	2
46570GE2051M65	5G50	38,2	2400	3036	1
46570GE2051M66	5G70	44,6	3360	4374	2/0
46570GE2051M67	5G95	49,3	4560	5696	3/0
46570GE2051M68	5G120	55,1	5760	7210	4/0
46570GE0071M15	7G1,5	15,4	100,8	270	16
46570GE0071M25	7G2,5	16,8	168	321	14
46570GE0101M15	10G1,5	18,7	144	358	16
46570GE0101M25	10G2,5	20,7	240	418	14
46570GE0121M15	12G1,5	19,3	172,8	404	16
46570GE0121M25	12G2,5	21,3	288	476	14
46570GE0161M15	16G1,5	21,1	230,4	518	16
46570GE0161M25	16G2,5	23,3	384	609	14
46570GE0191M15	19G1,5	22,1	273,6	586	16
46570GE0191M25	19G2,5	24,5	456	687	14
46570GE0241M15	24G1,5	25,4	345,6	706	16
46570GE0241M25	24G2,5	28,3	576	843	14

Other dimensions and colours available on request.