

INDUSTRIAL LOW VOLTAGE CABLES

FG16(O)R16 0,6/1 kV

acc. to CPR UE 305/11, EN 50575:2014 + A1:2016, Cca-s3, d1, a3



ELETTROTEK KABEL® FG16(O)R16, Cca-s3, d1, a3



Construction:

- Conductor:** flexible red copper conductor Cl.5, acc.to IEC 60228
- Insulation:** rubber 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
- Outer sheath:** grey (RAL 7035), PVC type R16

Technical data:

- Nominal voltage:** 0,6/1 kV
- Test voltage:** 4 kV
- Temperature range:** - 15 °C / + 90 °C
- Max short circuit temperature**
- for sections up to 240 mm²:* + 250 °C
- for sections over 240 mm²:* + 220 °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



Corrosiveness of conflagration gases acc. to:
DIN VDE 0482 part 267
EN 50267-2-2
IEC 60754-2 (equivalent DIN VDE 0472 part 813)

Features:

- according to IEC 60502-1
- IEC EN 60332-1-2, EN 50399
- according to CPR UE 305/11, EN 50575:2014 + A1:2016, Cca-s3, d1, a3
- classification (CEI UNEL 35016), EN 13501-6
- acc. to CEI UNEL 35318, 35322

Part no.	No. of cores x cross section n x mm ²	Max. outer-Ø ca. mm ± 2%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
46560G8L010M15	1x1,5	8,2	14,4	44,7	16
46560G8L010M25	1x2,5	8,7	24	53,3	14
46560G8L010M40	1x4	9,3	38,4	65,3	12
46560G8L010M60	1x6	9,9	57,6	116,7	10
46560G8L010M61	1x10	10,9	96	163,3	8
46560G8L010M62	1x16	11,4	153,6	219,3	6
46560G8L010M63	1x25	13,2	240	314	4
46560G8L010M64	1x35	14,6	336	410,3	2
46560G8L010M65	1x50	16,4	480	565	1
46560G8L010M66	1x70	18	672	768,3	2/0
46560G8L010M67	1x95	20,4	912	980	3/0
46560G8L010M68	1x120	22,4	1152	1226,3	4/0
46560G8L010M69	1x150	24,8	1440	1512,3	250 MCM
46560G8L010M70	1x185	27,1	1776	1833,7	350 MCM
46560G8L010M71	1x240	30,3	2304	2365,3	450 MCM
46560G8L010M72	1x300	33	2880	2939	550 MCM
46560G8L010M73	1x400	37,3	3600	3875	750 MCM
46560G83020M15	2x1,5	12	28,8	135	16
46560G83020M25	2x2,5	13	48	168,7	14
46560G83020M40	2x4	14,2	76,8	219	12
46560G83020M60	2x6	15,4	115	278,7	10
46560G83020M61	2x10	17,3	192	408,3	8
46560G83020M62	2x16	19,4	307	565,3	6
46560G83020M63	2x25	23	480	807	4
46560G83020M64	2x35	25,7	672	1067,3	2
46560G83020M65	2x50	29,3	960	1481,7	1
46560G83020M66	2x70	33,1	1344	2074,7	2/0
46560G83020M67	2x95	37,4	1824	1862,3	3/0
46560G83020M68	2x120	41,5	2304	3476	4/0
46560G83020M69	2x150	46,1	2880	2709,3	250 MCM
46560G83020M70	2x185	48,8	3552	4500	350 MCM
46560G83020M71	2x240	57,7	4608	5852	450 MCM

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Part no.	No. of cores x cross section n x mm ²	Max. outer-Ø ca.mm ± 2%	Copper weight kg/km	Cable weight approx. kg/km	AWG no.*)
46560G82031M15	3G1,5	12,5	43,2	153	16
46560G82031M25	3G2,5	13,6	72	198,3	14
46560G82031M40	3G4	14,9	115,2	258,7	12
46560G82031M60	3G6	16,2	172	334,3	10
46560G82031M61	3G10	18,2	288	501	8
46560G82031M62	3G16	20,6	461	663	6
46560G82031M63	3G25	24,5	720	1003,7	4
46560G82031M64	3G35	27,3	1008	1360	2
46560G82031M65	3G50	31,2	1440	1895,3	1
46560G82031M66	3G70	35,6	2016	2693,3	2/0
46560G82031M67	3G95	40,1	2736	3442,3	3/0
46560G82031M68	3G120	44,4	3456	4378,7	4/0
46560G82031M69	3G150	49,5	4320	5414,7	250 MCM
46560G82031M70	3G185	55,2	5328	6666,7	350 MCM
46560G82031M71	3G240	61,9	6912	8651	450 MCM
46560G82031M72	3G300	68	8640	10713,3	550 MCM
46560G83040M15	4x1,5	13,4	57,5	180,3	16
46560G83040M25	4x2,5	14,6	96	234	14
46560G83040M40	4x4	16	153,5	307,3	12
46560G83040M60	4x6	17,5	230	402,3	10
46560G83040M61	4x10	19,8	384	608,7	8
46560G83040M62	4x16	22,4	614,5	860,3	6
46560G83040M63	4x25	26,8	960	1253,3	4
46560G83040M64	4x35	-	1344	1826	2
46560G83040M65	4x50	-	1920	2588	1
46560G83040M66	4x70	-	2688	3573	2/0
46560G83040M67	4x95	-	3648	4649	3/0
46560G83035M64	3x35+1x25	29,2	1248	1598,7	2
46560G82035M64	3x35+1G25	29,2	1248	1598,7	2
46560G83035M65	3x50+1x25	32,4	1680	2120,7	1
46560G82035M65	3x50+1G25	32,4	1680	2120,7	1
46560G83035M66	3x70+1x35	37	2352	3022,3	2/0
46560G82035M66	3x70+1G35	37	2352	3022,3	2/0
46560G83035M67	3x95+1x50	42	3216	3954	3/0
46560G82035M67	3x95+1G50	42	3216	3954	3/0
46560G83035M68	3x120+1x70	46,9	4128	5022,3	4/0
46560G82035M68	3x120+1G70	46,9	4128	5022,3	4/0
46560G83035M69	3x150+1x95	52,5	5232	6411,7	250 MCM
46560G82035M69	3x150+1G95	52,5	5232	6411,7	250 MCM
46560G83035M70	3x185+1x95	57,3	6240	7919,3	350 MCM
46560G82035M70	3x185+1G95	57,3	6240	7919,3	350 MCM
46560G83035M71	3x240+1x150	65,5	8352	10135,3	450 MCM
46560G82035M71	3x240+1G150	65,5	8352	10135,3	450 MCM
46560G82035M72	3x300+1x150	70,8	10080	12000	550 MCM
46560G82035M72	3x300+1G150	70,8	10080	12000	550 MCM

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Part no.	No. of cores x cross section n x mm ²	Max. outer-Ø ca.mm ± 2%	Copper weight kg/km	Cable weight approx. kg/km	AWG no.*)
46560G82041M15	4G1,5	13,4	57,6	180,3	16
46560G82041M25	4G2,5	14,6	96	234	14
46560G82041M40	4G4	16	153,6	307,3	12
46560G82041M60	4G6	17,5	230,4	402,3	10
46560G82041M61	4G10	19,8	384	608,7	8
46560G82041M62	4G16	22,4	614,4	860,3	6
46560G82041M63	4G25	26,8	960	1253,3	4
46560G82041M64	4G35	-	1344	1826	2
46560G82041M65	4G50	-	1920	2588	1
46560G82041M66	4G70	-	2688	3573	2/0
46560G82041M67	4G95	-	3648	4649	3/0
46560G82051M15	5G1,5	14,4	72	209,7	16
46560G82051M25	5G2,5	15,6	120	278,7	14
46560G82051M40	5G4	17,3	192	368,7	12
46560G82051M60	5G6	18,9	288	482	10
46560G82051M61	5G10	21,5	480	738,7	8
46560G82051M62	5G16	24,4	768	1069,7	6
46560G82051M63	5G25	29,3	1200	1582,3	4
46560G82051M64	5G35	32,8	1680	2093,3	2
46560G82051M65	5G50	38,2	2400	3011,3	1
46560G82051M66	5G70	44,6	3360	4466	2/0
46560G82051M67	5G95	49,3	4560	5811	3/0
46560G82051M68	5G120	55	4560	7343	3/0
46560G81070M15	7G1,5	15,4	100,8	260,7	16
46560G81070M25	7G2,5	16,8	168	344,7	14
46560G81100M15	10G1,5	18,7	144	352,7	16
46560G81100M25	10G2,5	20,6	240	449,7	14
46560G81120M15	12G1,5	19,3	172,8	390	16
46560G81120M25	12G2,5	21,3	288	504	14
46560G81160M15	16G1,5	21,1	230,4	513	16
46560G81160M25	16G2,5	23,3	384	687,7	14
46560G81190M15	19G1,5	22,1	291,8	575,7	16
46560G81190M25	19G2,5	24,5	456	806,3	14
46560G81240M15	24G1,5	25,4	345,6	691	16
46560G81240M25	24G2,5	28,3	576	935	14