

INDUSTRIAL LOW VOLTAGE CABLES

FG18(O)M16 0,6/1 kV

acc. to CPR UE 305/11, EN 50575:2014 + A1:2016, B2ca-s1a, d1, a1



ELETTROTEK KABEL® FG18(O)M16, B2ca-s1a, d1, a1



Construction:

- Conductor:** flexible red copper conductor Cl.5, acc.to IEC 60228
- Insulation:** HEPR type G18
- Colour cores:** acc. to DIN VDE 0293-308, HD 308 S2
- Inner sheath:** not hygroscopic filler
- Outer sheath:** black (similar RAL 9005), thermoplastic halogen-free type M16

Resistance:



Flame / Fire retardant and self-extinguishing acc.to:
IEC EN 60332-1-2,
EN 50399



Corrosiveness of conflagration gases acc. to:
IEC 60754-2



Smoke density acc. to:
IEC 61034-2

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** 6 x d
- Max. tensile stress:** 50 N/mm²

Features:

- Halogen free
- Good resistance to industrial oil and grease according to IEC 60502-1 and EN 50575
- CEI 20-38 as far as applicable
- according to CPR UE 305/11, EN 50575:2014 + A1:2016, B2ca-s1a, d1, a1
- classification (CEI UNEL 35016), EN 13501-6
- acc. to CEI UNEL 35312

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.®)
46620G01010M61	1 x 10	8,8	96	160	8
46620G01010M62	1 x 16	9,8	154	220	6
46620G01010M63	1 x 25	11,4	240	320	4
46620G01010M64	1 x 35	12,6	336	415	2
46620G01010M65	1 x 50	14,9	480	590	1
46620G01010M66	1 x 70	17,3	672	805	2/0
46620G01010M67	1 x 95	19,4	912	1045	3/0
46620G01010M68	1 x 120	21,4	1152	1305	4/0
46620G01010M69	1 x 150	23	1440	1590	250 MCM
46620G01010M70	1 x 185	24,5	1776	1915	350 MCM
46620G01010M71	1 x 240	27,1	2304	2455	450 MCM

INDUSTRIAL LOW VOLTAGE CABLES

FG18(O)M16 0,6/I kV

acc. to CPR UE 305/11, EN 50575:2014 + A1:2016, B2ca-s1a, d1, a1



ELETTROTEK KABEL® FG18(O)M16, B2ca-s1a, d1, a1

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. *)
46620G73020M15	2 x 1,5	13,4	28,8	230	16
46620G73020M25	2 x 2,5	14,4	48	270	14
46620G73020M40	2 x 4	15,6	76,8	320	12
46620G73020M60	2 x 6	16,8	115,2	400	10
46620G73020M61	2 x 10	18,7	192	530	8
46620G73030M15	3 x 1,5	14,4	43,2	260	16
46620G73030M25	3 x 2,5	15,1	72	305	14
46620G73020M40	3 x 4	16,4	115,2	385	12
46620G73020M60	3 x 6	17,7	172,8	450	10
46620G73020M61	3 x 10	19,8	288	635	8
46620G73020M62	3 x 16*	-	460,8	865	6
46620G73020M63	3 x 25*	-	720	1235	4
46620G73020M64	3 x 35*	-	1008	1630	2
46620G73020M65	3 x 50*	-	1440	2225	1
46620G73040M15	4 x 1,5	15,2	57,6	330	16
46620G73040M25	4 x 2,5	16,3	96	400	14
46620G73040M40	4 x 4	17,8	153,6	480	12
46620G73040M60	4 x 6	19,2	230,4	580	10
46620G73040M61	4 x 10	21,5	384	765	8
46620G73040M62	4 x 16*	-	614,4	1050	6
46620G73040M63	4 x 25*	-	960	1515	4
46620G72035M64	3x35+1G25*	-	1248	1905	2
46620G72035M65	3x50+1G25*	-	1680	2490	1
46620G72051M15	5G1,5	16,3	72	395	16
46620G72051M25	5G2,5	17,6	120	415	14
46620G72051M40	5G4	19,2	192	530	12
46620G72051M60	5G6	20,8	288	670	10
46620G72051M61	5G10	23,4	480	950	8

*Uncertified sections

Other dimensions and colours available on request.