

INDUSTRIAL LOW VOLTAGE CABLES

FGI6OH2R16 0,6/1 kV

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



ELETTROTEK KABEL® FGI6OH2R16 Cca-s3, d1, a3



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 core
Inner sheath:	PVC compound with not fibrous and not hygroscopic material
Screen:	red copper braid
Outer sheath:	grey (RAL 7035), thermoplastic compound type R16

Resistance:



Flame retardant acc. to:
EN 60332-1-2 comparable to CEI 20-22II
EN 50399



Corrosiveness of conflagration gases acc. to:
EN 50267-2-1
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:	8 x d
Max. tensile stress:	50 N/mm ²

Features:

Acc. to IEC 60502-1

Acc. to CEI 20-13, EN 50399, EN 60332-1-2 CEI 20-22II comparable to IEC 60332-3-22

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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	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
46580G8L010M61	1X10	9,2	220	8
46580G8L010M62	1X16	10,5	310	6
46580G8L010M63	1X25	12	400	4
46580G8L010M64	1X35	14,2	560	2
46580G8L010M65	1X50	15,9	770	1
46580G8L010M66	1X70	18,9	1000	2/0
46580G8L010M67	1X95	21	1300	3/0
46580G8L010M68	1X120	23,9	1650	4/0
46580G8L010M69	1X150	25,9	1850	250 MCM
46580G8L010M70	1X185	26,88	2300	350 MCM
46580G8L010M71	1X240	30	2800	450 MCM
46580G8L010M72	1X300	35,5	3300	550 MCM
46580G8L010M73	1X400	39,9	4300	750 MCM
46580G83020M15	2X1,5	12,7	241	16
46580G83020M25	2X2,5	13,7	280	14
46580G83020M40	2X4	14,9	336	12
46580G83020M60	2X6	16,1	395	10
46580G83020M61	2X10	18,2	567	8
46580G83020M62	2X16	20,4	738	6
46580G83020M63	2X25	24	1107	4
46580G83020M64	2X35	26,6	1403	2
46580G83020M65	2X50	30,5	1830	1
46580G83020M66	2X70	34,3	2571	2/0
46580G83020M67	2X95	38,6	3143	3/0
46580G83020M68	2X120	43	4316	4/0
46580G83020M69	2X150	47,5	5547	250 MCM
46580G83020M70	2X185	53	6500	350 MCM
46580G83020M71	2X240	59,8	9600	450 MCM

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Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Cable weight approx. kg/km	AWG no. *)
46580G82031M15	3X1,5	13,3	262	16
46580G82031M25	3X2,5	14,3	316	14
46580G82031M40	3X4	15,6	380	12
46580G82031M60	3X6	16,9	456	10
46580G82031M61	3X10	19,2	675	8
46580G82031M62	3X16	21,5	939	6
46580G82031M63	3X25	25,4	1346	4
46580G82031M64	3X35	28,3	1744	2
46580G82031M65	3X50	32,4	2262	1
46580G82031M66	3X70	36,8	3188	2/0
46580G82031M67	3X95	41,2	4309	3/0
46580G82031M68	3X120	45,8	5635	4/0
46580G82031M69	3X150	50,9	6921	250 MCM
46580G82031M70	3X185	56,6	8079	350 MCM
46580G82031M71	3X240	63,3	10639	450 MCM
46580G82031M72	3X300	66,9	12500	550 MCM
46580G82041M15	4X1,5	14,1	298	16
46580G82041M25	4X2,5	15,3	357	14
46580G82041M40	4X4	16,7	438	12
46580G82041M60	4X6	18,4	535	10
46580G82041M61	4X10	20,8	802	8
46580G82041M62	4X16	23,4	1164	6
46580G82041M63	4X25	27,7	1664	4
46580G82041M64	4X35	31	2100	2
46580G82041M65	4X50	34,5	2700	1
46580G82041M66	4X70	39,5	3650	2/0
46580G82041M67	4X95	45	4950	3/0
46580G82035M64	3X35+25	30,4	2038	2
46580G82035M65	3X50+25	33,6	2606	1
46580G82035M66	3X70+35	38,2	3540	2/0
46580G82035M67	3X95+50	43,4	4818	3/0
46580G82035M68	3X120+70	48,3	6358	4/0
46580G82035M69	3x150+95	53,9	7852	250 MCM
46580G82035M70	3x185+95	58,8	9066	350 MCM
46580G82035M71	3x240+150	66,9	12078	450 MCM
46580G82035M72	3x300+150	76,5	16050	550 MCM
46580G82051M15	5X1,5	15,1	351	16
46580G82051M25	5X2,5	16,4	424	14
46580G82051M40	5X4	18,2	527	12
46580G82051M60	5X6	19,8	653	10
46580G82051M61	5X10	22,4	1027	8
46580G82051M62	5X16	25,4	1415	6
46580G82051M63	5X25	30,5	2022	4
46580G82051M64	5X35	33,9	2700	2
46580G82051M65	5X50	38	3400	1
46580G82051M66	5X70	43,5	4700	2/0
46580G82051M67	5X95	47,9	6250	3/0
46580G82051M68	5X120	51	7700	4/0
46580G81070M15	7X1,5	15,1	399	16
46580G81070M25	7X2,5	17,8	496	14
46580G81100M15	10X1,5	19,7	503	16
46580G81100M25	10X2,5	21,6	644	14
46580G81120M15	12X1,5	20,2	574	16
46580G81120M25	12X2,5	22,2	732	14
46580G81160M15	16X1,5	22	690	16
46580G81160M25	16X2,5	24,3	950	14
46580G81190M15	19X1,5	23	813	16
46580G81190M25	19X2,5	25,4	1056	14
46580G81240M15	24X1,5	26,4	972	16
46580G81240M25	24X2,5	29,3	1281	14
46580G81360M15	36X1,5	30,4	1100	16
46580G81360M25	36X2,5	35,9	1500	14
46580G81480M15	48X1,5	34,5	1450	16
46580G81480M25	48X2,5	41	2000	14

Other dimensions and colours available on request.