

FG7(O)HIR 0,6/1 kV



ELETTROTEK KABEL® FG7OH1R

Construction:

Conductor:	flexible red copper conductor Cl.5, acc. to IEC 60228
Insulation:	rubber, 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 core
Inner sheath:	filler compound
Screen:	two alternated copper tapes
Outer sheath:	grey (RAL 7035), PVC, type Rz

Technical data:

Nominal voltage:	0,6/1 kV
Test voltage:	3,5 kV
Temperature range:	-15 °C / + 90 °C
Max short circuit temperature:	+ 250 °C
Min. bending radius:	8 x d
tensile stress	
<i>during installation:</i>	50 N/mm ²
<i>static stress:</i>	15 N/mm ²

Resistance:



Flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 60332-1-2 CEI 20-22II



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:

EN 60332-1-2 CEI 20-22II comparable to IEC 60332-3-22

Applications:

Power and control use outdoor and indoor applications, even wet. Suitable for fixed installation at open air, in tube or canals, masonry, metals structures, overhead wire and for direct and indirect underground wiring.
The most important property of this kind of cable is its protection against smokes, toxic and corrosive gases in case of fire.

INDUSTRIAL LOW VOLTAGE CABLES

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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. *)
46080G83020M15	2 x 1,5	12,5	241	16
46080G83020M25	2 x 2,5	13,5	280	14
46080G83020M40	2 x 4	14,5	336	12
46080G83020M60	2 x 6	15,5	395	10
46080G83020M61	2 x 10	18,5	567	8
46080G83020M62	2 x 16	20,5	738	6
46080G83020M63	2 x 25	25,2	1107	4
46080G83020M64	2 x 35	27,7	1403	2
46080G83020M65	2 x 50	30,5	1830	1
46080G83020M66	2 x 70	36,3	2571	2/0
46080G83020M67	2 x 95	39	3143	3/0
46080G83020M68	2 x 120	46,3	4316	4/0
46080G83020M69	2 x 150	52,7	5547	250
46080G82031M15	3 G 1,5	13	262	16
46080G82031M25	3 G 2,5	14	316	14
46080G82031M40	3 G 4	15	380	12
46080G82031M60	3 G 6	16	456	10
46080G82031M61	3 G 10	19,3	675	8
46080G82031M62	3 G 16	33,2	939	6
46080G82031M63	3 G 25	26,5	1346	4
46080G82031M64	3 G 35	29,2	1744	2
46080G82031M65	3 G 50	32,3	2262	1
46080G82031M66	3 G 70	38,4	3188	2/0
46080G82031M67	3 G 95	44	4309	3/0
46080G82031M68	3 G 120	51,5	5635	4/0
46080G82031M69	3 G 150	56,6	6921	250
46080G82031M70	3 G 185	60	8079	350
46080G82031M71	3 G 240	69,7	10639	450
46080G82041M15	4 G 1,5	13,7	298	16
46080G82041M25	4 G 2,5	14,8	357	14
46080G82041M40	4 G 4	16	438	12
46080G82041M60	4 G 6	17,3	535	10
46080G82041M61	4 G 10	20,8	802	8
46080G82041M62	4 G 16	24,6	1164	6
46080G82041M63	4 G 25	28,3	1664	4
46080G83035M64	3 x 35 + 1 x 25	31	2038	2
46080G83035M65	3 x 50 + 1 x 25	34,6	2606	1
46080G83035M66	3 x 70 + 1 x 35	40	3540	2/0
46080G83035M67	3 x 95 + 1 x 50	45,8	4818	3/0
46080G83035M68	3 x 120 + 1 x 70	53,8	6358	4/0
46080G83035M69	3 x 150 + 1 x 95	59	7852	250
46080G83035M70	3 x 185 + 1 x 95	62,8	9066	350
46080G83035M71	3 x 240 + 1 x 150	72,8	12078	450
46080G82051M15	5 G 1,5	15	351	16
46080G82051M25	5 G 2,5	16	424	14
46080G82051M40	5 G 4	17,5	527	12
46080G82051M60	5 G 6	18,9	653	10
46080G82051M61	5 G 10	23,5	1027	8
46080G82051M62	5 G 16	27	1415	6
46080G82051M63	5 G 25	31,6	2022	4
46080G80071M15	7 G 1,5	15,7	399	16
46080G80071M25	7 G 2,5	17	496	14
46080G80101M15	10 G 1,5	17,8	503	16
46080G80101M25	10 G 2,5	19,5	644	14
46080G80121M15	12 G 1,5	19,2	574	16
46080G80121M25	12 G 2,5	21	732	14
46080G80161M15	16 G 1,5	21	690	16
46080G80161M25	16 G 2,5	24	950	14
46080G80191M15	19 G 1,5	24,5	813	16
46080G80191M25	19 G 2,5	28,2	1056	14

Other dimensions and colours available on request.