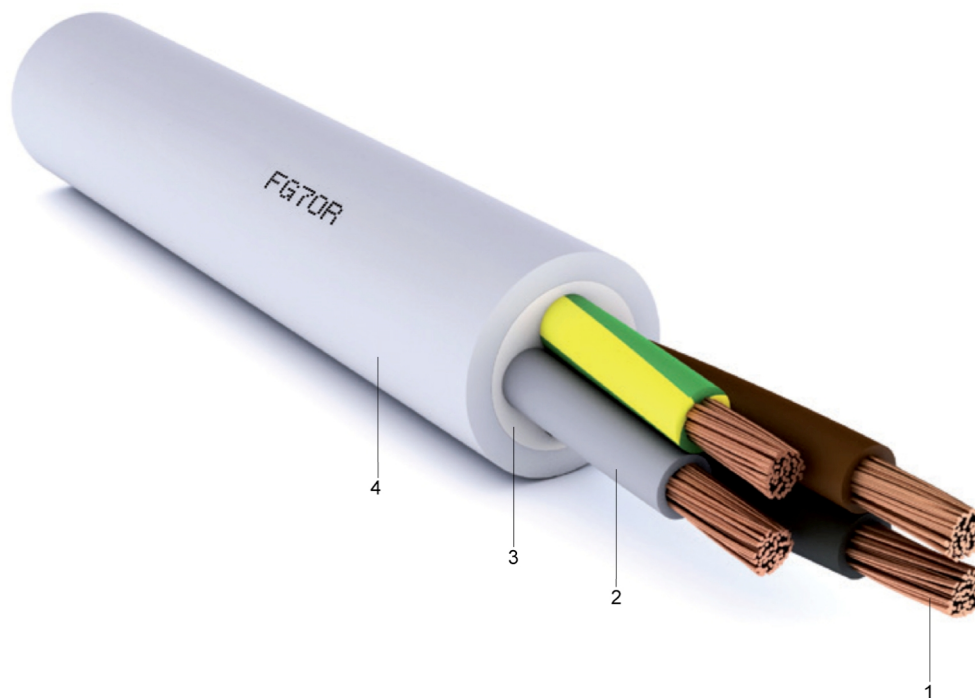


FG7OR

Power cable insulated with high quality EPM-rubber, with PVC sheath, not propagating fire, with reduced corrosive gas emission

Application:

This power cable is suitable for fixed installations, preferably in cable ducts, indoors, outdoors, in water or underground if no mechanical damage is to be expected



Construction:

- 1 fine wired copper conductor, class 5
- 2 rigid EPM rubber
- 3 thermoplastic compound, fire resistend, non water absorbing
- 4 anti abrasive PVC compound, fire resistend, reduced wather permeability

Information:

at short circuit of max. 5 sec.
 $\leq 250 \text{ mm}^2 \rightarrow 250^\circ\text{C}$
 $> 250 \text{ mm}^2 \rightarrow 220^\circ\text{C}$

Standards:

CEI 20-13
 IEC 60502-1
 CEI UNEL 35375 (cables with 1-5 cors)
 CEI UNEL 35377 (signal, with 6 and more cors)

Technical data:

Nominal voltage U_0/U		[V]	600 / 1000 Volt
Test voltage		[V] _{Ac}	4000
Temperature range	in motion		- 0°C do +90°C
	fixed		-15°C do +90°C
Bending radius	power (1-5 cors)	x diameter	4
	signal	x diameter	6
Flammability	standard		EN 60332-1-2

Number of cores and nominal cross section	Copper figure	Overall diameter	Weight	Current carrying capacity ground	Current carrying capacity air
mm ²	kg/km	cca mm	cca kg/km	A	A
1 x 1,5	14,4	5,8	47	21	24
1 x 2,5	24	6,3	60	27	33
1 x 4	38,4	6,7	78	35	45
1 x 6	57,6	7,4	103	44	58
1 x 10	96	8,3	146	59	80
1 x 16	153,7	9,5	204	77	107
1 x 25	241	11	300	100	135
1 x 35	336	12	399	121	169
1 x 50	480	14	550	150	207
1 x 70	672	16,1	781	184	268
1 x 95	912	18	1010	217	328
1 x 120	1155	19	1263	251	383
1 x 150	1440	22,3	1600	287	444
1 x 185	1776	23,7	1893	323	510
1 x 240	2305	26,4	2430	379	607
1 x 300	2880	31	3175	429	703
1 x 400	3840	35,7	4136	500	823

Number of cores and nominal cross section	Copper figure	Overall diameter	Weight	Current carrying capacity ground	Current carrying capacity air
mm ²	kg/km	cca mm	cca kg/km	A	A
2 x 1,5 RE	28,8	9,6	131	23	26
2 x 2,5 RE	48	10,6	170	30	36
2 x 4 RE	76,8	11,4	214	39	49
2 x 6 RE	115,2	12,9	283	49	63
2 x 10 RE	192	14,6	407	66	86
2 x 16 RM	307,2	16,8	572	86	115
3 x 1,5 RE	43,2	10,0	148	19	23
3 x 2,5 RE	72	11,1	194	25	32
3 x 4 RE	115,2	12,0	254	32	42
3 x 6 RE	172,8	13,6	346	41	54
3 x 10 RE	288	15,5	497	55	75
3 x 16 RE	460,8	17,8	712	72	100
3 x 25 RM	720	21,5	1.062	93	127
3 x 35 SM	1008	25,1	1.492	114	158
3 x 50 SM	1440	27,6	1.972	141	192
3 x 70 SM	2016	32,6	2.856	174	246
3 x 95 SM	2736	38,7	3.905	206	298
3 x 120 SM	3456	41,1	4.474	238	346
3 x 150 SM	4320	46	5.400	272	399
3 x 35/25	1248	25	1.641	114	158
3 x 50/25	1680	29,6	2.252	141	192
3 x 70/35	2352	34,5	3.222	174	246
3 x 95/50	3216	39	4.195	206	298
3 x 120/70	4128	42	5.307	238	346
3 x 150/95	5232	49	6.869	272	399
4 x 1,5	57,6	11,4	178	19	23
4 x 2,5	96	12	231	25	32
4 x 4	153,7	13	308	32	42
4 x 6	230,5	14,6	418	41	54
4 x 10	384	16,8	620	55	75
4 x 16	614,4	19,4	886	72	100
4 x 25	960	23,6	1.338	93	127

Number of cores and nominal cross section	Copper figure	Overall diameter	Weight	Current carrying capacity ground	Current carrying capacity air
mm ²	kg/km	cca mm	cca kg/km	A	A
5 x 1,5 RE	72	12,2	212	19	23
5 x 2,5 RE	120	13	275	25	32
5 x 4 RE	192	14,1	370	32	42
5 x 6 RE	288	16	515	41	54
5 x 10 RE	480	18,7	770	55	75
5 x 16	768	21,5	1.102	72	100
5 x 25	1.200	26,1	1.658	93	127
5 x 35	1.680	29,6	2.269	114	158
5 x 50	2.400	34,5	3.043	141	192
7 x 1,5 RE	100,8	12,6	241	16	13
10 x 1,5 RE	144	15	343	16	13
12 x 1,5 RE	172,9	16,2	402	12,5	11
16 x 1,5 RE	230,5	17,6	471	12,5	11
19 x 1,5 RE	273,6	18,6	552	11,5	9
24 x 1,5 RE	345,6	21,6	707	11,5	9
7 x 2,5 RE	168	14,1	329	21	17,5
10 x 2,5 RE	240	17,6	501	21	17,5
12 x 2,5 RE	288	18	545	17,5	13,5
16 x 2,5 RE	384	20	686	17,5	13,5
19 x 2,5 RE	456	20,7	760	14	12
24 x 2,5 RE	576	24	1.000	14	12