



FG16R16

Power cable 0,6/1 kV with Cu conductors, rubber G16 insulated and PVC sheathed

APPLICATION

Reference Guidance CEI 20-67:

Cable suitable for energy supply in industry, building sites and construction industry. For fixed wiring indoors and outdoors, even wet; for direct and indirect underground wiring. Suitable for installation at open air, on walls, metal structures, cable trays, pipes, wiring holders and similar devices. Suitable for bundle installations in environments at risk of fire.

TECHNICAL CHARACTERISTICS

CPR class: Cca – s3,d1,a3

Test voltage: 4 kV

Rated voltage: 0,6/1 kV

Bending radius (min): single-core- 6D

Min. laying temperature: -15°C

Max. conductor temperature: 90°C

Max. short-circuit temperature: 250°C

CONSTRUCTION

Conductors: Cu, class 5 according to EN 60228

Insulation: Rubber compound G16 quality

Sheath: PVC compound R16 quality, gray

STANDARD

CEI 20-13, IEC 60502-1

CERTIFICATION



International
Electrotechnical
Commission



CORE IDENTIFICATION

According to HD 308 S2

Insulation Color:

- Black

Outer Sheath Colour:

- Grey

Other colours available on request

NOMINAL CROSS-SECTION	MAX. RESISTANCE AT 20°C	AVERAGE INSULATION THICKNESS	AVERAGE SHEATH THICKNESS	CURRENT CAPACITY IN AIR, 30°C	CURRENT CAPACITY IN PIPE IN AIR, 30°C	CURRENT CAPACITY BURIED, 20°C		CURRENT CAPACITY BURIED PIPE, 20°C		MAX OUTER DIAMETER	CABLE WEIGHT (APPROX.)
						A	A	A	A		
mm ²	Ω/km	mm	mm	A	A	K=1	K=1,5	K=1	K=1,5	mm	kg/km
1x1,5	13,3	0,7	1,4	24	20	26	24	23	21	8,2	55
1x2,5	7,98	0,7	1,4	33	28	34	31	29	27	8,7	66
1x4	4,95	0,7	1,4	45	37	43	40	38	35	9,3	84
1x6	3,30	0,7	1,4	58	48	55	51	48	44	9,9	110
1x10	1,91	0,7	1,4	80	66	73	68	64	59	10,9	150
1x16	1,21	0,7	1,4	107	88	96	89	83	77	11,4	220
1x25	0,780	0,9	1,4	141	117	124	115	108	100	13,2	310
1x35	0,554	0,9	1,4	176	144	150	139	131	121	14,6	410
1x50	0,386	1,0	1,4	216	175	186	173	162	150	16,4	560
1x70	0,272	1,1	1,4	279	222	229	212	199	184	18,3	760
1x95	0,206	1,1	1,5	342	269	270	250	234	217	20,4	960
1x120	0,161	1,2	1,5	400	312	312	289	271	251	22,4	1210
1x150	0,129	1,4	1,6	464	355	356	330	310	287	24,8	1480
1x185	0,106	1,6	1,6	533	417	401	371	349	323	27,2	1790
1x240	0,0801	1,7	1,7	634	490	471	436	409	279	30,4	2320
1x300	0,0641	1,8	1,8	736	-	533	493	463	429	33,0	2840
1x400	0,0486	2,0	1,9	868	-	621	575	540	500	37,7	3735
1x500	0,0384	2,2	2,1	998	-	705	650	610	560	43,6	4660

Permissible current rating values are according to:

- three-phase circuit
- laying depth of 0,8 m for buried cables

K = 1 - resistivity of the ground equal to 1,0 K·m/W

K = 1,5 - resistivity of the ground equal to 1,5 K·m/W