



ARG16R16

Power cable 0,6/1 kV with Al conductors, XLPE insulated and HFFR sheathed

APPLICATION

In earth, ducts, on support brackets, in dry and wet conditions etc., where one does not expect mechanical damages and the cables are not exposed to the mechanical tensile strain. In urban networks, industrial plants, electric power plants and other electricity consumers and for connection of control devices in industry, traffic etc., where fire prevention safety measures are requested, for elevated electricity and thermic strains.

CONSTRUCTION

Conductors: Al, class 2 according to EN 60228
 Insulation: XLPE compound
 Bedding: Extruded elastomere or plastomere LSOH compound
 Sheath: PVC compound R16 quality, gray

CORE IDENTIFICATION

Outer Sheath Colour:

● Grey

Other colours available on request

TECHNICAL CHARACTERISTICS

CPR class: Cca- s3,d1,a3

Test voltage: 4 Kv

Rated voltage: 0,6/1 kV

Bending radius (min): single-core- 15D

Min. laying temperature: -15°C

Max. conductor temperature: 90°C

Max. short-circuit temperature: 250°C

STANDARD

CEI 20-13

CERTIFICATION



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		OUTER DIAM. (APPROX.)	CABLE WEIGHT (APPROX.)
mm ²	Ω/km	mm	mm	A	A	A	A	A	A	mm	kg/km
						K=1	K=1,5	K=1	K=1,5		
1x16	1,910	0,7	1,4	70	64	98	89	75	70	10,0	150
1x25	1,200	0,9	1,4	102	88	119	110	95	88	11,7	185
1x35	0,868	0,9	1,4	136	110	141	131	115	106	13,0	220
1x50	0,641	1,0	1,4	164	131	167	154	134	124	14,7	280
1x70	0,443	1,1	1,4	218	175	204	189	173	160	16,6	320
1x95	0,320	1,1	1,5	261	209	245	226	196	181	18,6	460
1x120	0,253	1,2	1,5	310	250	277	256	238	220	20,5	570
1x150	0,206	1,4	1,6	350	280	313	289	250	231	22,8	670
1x185	0,164	1,6	1,6	415	334	350	324	300	278	25,0	810
1x240	0,125	1,7	1,7	490	392	413	382	331	306	27,9	1025
1x300	0,100	1,8	1,8	567	-	454	420	400	370	30,7	1205
1x400	0,0778	2,0	1,9	665	-	5112	474	450	417	35,0	1660
1x500	0,0605	2,2	2,0	765	-	578	535	505	4648	38,6	1940
1x630	0,0469	2,4	2,2	880	-	646	598	580	537	43,1	2460

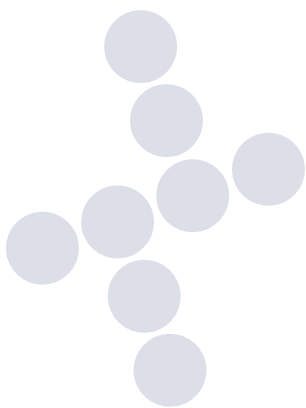
Permissible current rating values are according to:

- 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



ttcables