



# ARG16M16

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: LSOH compound M16 quality, green

## CORE IDENTIFICATION

According to HD 308 S2

Outer Sheath Colour:

● Green

*Other colours available on request*

## TECHNICAL CHARACTERISTICS

CPR class: Cca- s1, d1, a1  
 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

## STANDARD

CEI 20-13, IEC 60502-1,  
 UNE 21123

## 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 <sup>2</sup>	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	9,1	109
1x25	1,200	0,9	1,4	102	88	119	110	95	88	10,7	151
1x35	0,868	0,9	1,4	136	110	141	131	115	106	11,7	185
1x50	0,641	1,0	1,4	164	131	167	154	134	124	13,0	230
1x70	0,443	1,1	1,4	218	175	204	189	173	160	14,9	315
1x95	0,320	1,1	1,5	261	209	245	226	196	181	16,6	405
1x120	0,253	1,2	1,5	310	250	277	256	238	220	18,5	510
1x150	0,206	1,4	1,6	350	280	313	289	250	231	20,4	620
1x185	0,164	1,6	1,6	415	334	350	324	300	278	22,6	750
1x240	0,125	1,7	1,7	490	392	413	382	331	306	25,2	955
1x300	0,100	1,8	1,8	567	-	454	420	400	370	27,9	1150
1x400	0,0778	2,0	1,9	665	-	5112	474	450	417	31,4	1520
1x500	0,0605	2,2	2,0	765	-	578	535	505	4648	34,9	1850
1x630	0,0469	2,4	2,2	880	-	646	598	580	537	39,8	2415

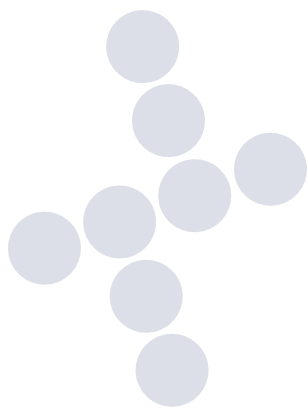
Permissible current rating values are according to:

- 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