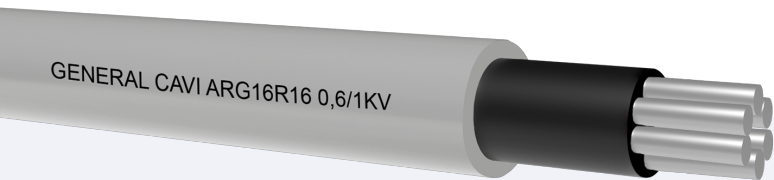


# ARG16R16 600/1000V

CPR Eca

Model Product: P99 - 20250929



Aluminium rigid compact conductor, class 2.  
Elastomeric mixture insulation (G16 quality).  
Outer Sheath PVC R16 type.

## STANDARDS

CEI 20-13 IEC 60502  
EN 50575:2014+A1:2016 EN 60332-1-2 EN 50399 EN  
60754-2 EN 13501-6

Accordingly to the standards BT 2014/35/UE- 2011/65/EU (RoHS 3)

## COMMON FEATURES

Power use outdoor and indoor applications, even wet. For electrical power system in constructions and other civil engineering bulginngs, in order to limit fire and smoke production and spread, in accordance with the CPR. Suitable for fixed installations at open air, in tube or canals, masonry, metals structures, overhead wire and for direct or indirect underground wiring. Good behavior at low temperatures. UV resistant EN 50289-4-17 metodo A (720h)

## EMPLOYMENT

Minimum bending radius per D cable diameter (in mm): 6D  
Maximum pulling stress: 50 N/mm<sup>2</sup>

## PACKING

Drums to agree.

CPR Cables rigid aluminum for fixed installations, isolated HEPR G16 quality,

Nominal voltage U0: 600V(AC) 1800V(DC)

Nominal voltage U: 1000V(AC) 1800V(DC)

Test voltage: 4000 V

Maximun voltage Um: 1200V(AC) 1800V(DC)

Maximun operating temperature: +90°C

Maximun short circuit temperature: +250°C

Minimum installation and laying temperature: 0°C

Min. operating temperature (without mechanical shocks): -15°C

## CORE COLOURS

Single core: black

## SHEATH COLOUR

Grey

## INK MARKING

GENERALCAVI -Eca - year - ARG16R16-0,61/kV - form x sect. - inner work order - progressive lenght

# ARG16R16 600/1000V

CPR Eca

Model Product: P99 - 20250929



## ARG16R16

Formation (N°)	Nominal Section (mm <sup>2</sup> )	Approx cond. diameter (mm)	Insulation medium thickness (mm)	Med. sheath thickness (mm)	Maximum external diameter (mm)	Approx cable weight (kg/km)	Electric resistance at 20°C (Ohm/km)	Current carrying capacities 30°C		Current carrying buried 20°C		Minimum radius bending (mm)
								Flat in air (A)	In pipe (A)	direct (A)	In pipe (A)	
Single core												
1x	50	8.2	1.0	1.4	14.00	250	0.641	161	137	135	117	84
1x	70	9.8	1.1	1.4	16.00	340	0.443	209	173	166	144	96
1x	95	11.5	1.1	1.5	18.00	440	0.320	256	210	195	170	105
1x	120	13.1	1.2	1.5	19.80	505	0.253	299	243	226	196	117
1x	150	14.3	1.4	1.6	21.80	625	0.206	346	277	258	224	129
1x	185	16.1	1.6	1.6	24.00	753	0.164	398	325	289	252	144
1x	240	18.5	1.7	1.7	26.90	977	0.125	473	382	340	296	162
1x	300	20.7	1.8	1.8	30.00	1200	0.100	548	---	385	335	177
1x	400	23.5	2.0	1.9	33.45	1488	0.0778	642	---	449	390	201

The calculations for the current carrying capacities for the single wires have been performed for 3 close cables.

The flow rates at 20 ° C are calculated in accordance with CEI 64-8-61 laying underground (ground temp = 20 ° C, depth = 0.8m, ground resistivity = 1,5 km / W). For (ground temp = 20 ° C, depth = 0.8m, ground resistivity = 1 km /W multiply for 1,08)