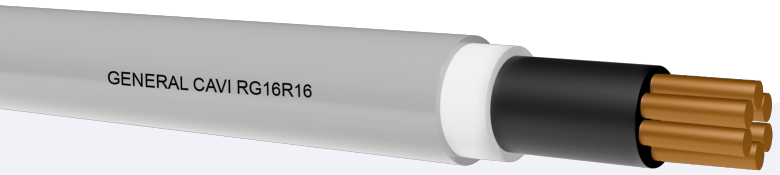
RG16R16 0,6/1KV

CPR Cca-s3,d1,a3

Model Product: P97 - 20201119



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

Rigid class 2 red copper conductor.
Elastomeric mixture insulation (G16 quality).
Not fibrous and not hygroscopic filler
Outer Sheath PVC R16 type.

STANDARDS

CEI UNEL 35320 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)

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

COMMON FEATURES

Power use outdoor and indoor applications, even wet.For electrical power system in constructions alnd 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 resistent EN 50289-4-17 metodo A (720h)

EMPLOYMENT

Minimum bending radius per D cable diameter (in mm): 6D

Maximum pulling stress: 50 N/mmq

PACKING

Drums to agree.

CORE COLOURS

Single core: black

SHEATH COLOUR

Grey

INK MARKING

GENERALCAVI -Cca-s3,d1,a3 - year- RG16R16-0,61/kV - form x sect. - inner work order - progressive lenght

RG16R16 0,6/1KV

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Formation	Nominal Section	Approx cond. diameter	Insulation medium thickness	Med. sheath thickness	Maximum external diameter	Approx cable weight	Electric resistance at 20°C	Current carrying capacities 30°C		Current carrying
								Flat in air	In pipe	
(N°)	(mmq)	(mm)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)	(A)	(A)
Single core										
1x	10	3.8	0.7	1.4	9.35	139	1.83	80	66	59
1x	16	4.7	0.7	1.4	10.77	202	1.15	107	88	77
1x	25	6.0	0.9	1.4	12.20	297	0.727	135	117	100
1x	35	7.0	0.9	1.4	13.23	390	0.524	169	144	121
1x	50	8.2	1.0	1.4	14.57	513	0.387	207	175	150
1x	70	9.8	1.1	1.4	16.58	712	0.268	268	222	184
1x	95	11.5	1.1	1.5	18.59	963	0.193	328	269	328
1x	120	13.1	1.2	1.5	19.80	1209	0.153	383	312	259
1x	150	14.3	1.4	1.6	21.80	1459	0.124	444	355	287
1x	185	16.1	1.6	1.6	24.72	1830	0.0991	510	417	323
1x	240	18.5	1.7	1.7	27.60	2358	0.0754	607	490	379
1x	300	20.7	1.8	1.8	30.90	2957	0.0601	703	555	429
1x	400	23.4	2.0	1.9	34.29	3773	0.0470	823	750	541
1x	500	26.2	2.2	2.0	38.31	4850	0.0366	946	880	565
1x	630	29.8	2.4	2.2	44.18	6214	0.0283	1088	986	645

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)