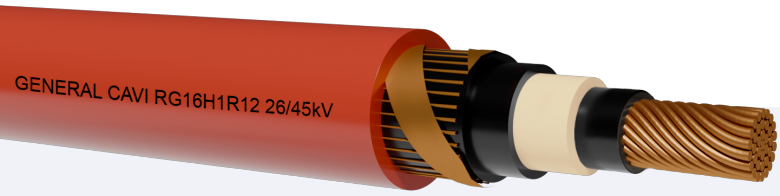
RG16H1R12 26/45kV.

(ALTA TENSIONE)CPR Eca

Model Product: 7R0 - 20200415



Rigid class 2 red copper conductor.
Inner semi-conducting layer
Elastomeric mixture insulation (G16 quality).
Cold-peelable extruded elastomeric external semiconductor
Red copper wire shield.
Sheath of PVC R12 type. For MT

STANDARDS

CEI 20-16 PQA IEC 60840 PQA IEC 60502pqa, CEI 20-13pqa, HD 620pqa
EN 50575:2014 + EN 50575/A1:2016 (IEC 60332-1-2)

Conforme Direttiva 2011/65/EU (RoHS 3), REACH,RAEE

Cables for connections between substations and large users

Nominal voltage U0: 26 kV

Nominal voltage U: 45 kV

Maximun voltage Um: 52 kV

Maximun operating temperature: +105°C

Maximun short circuit temperature: +300°C

Minimum installation and laying temperature: 0°C

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

CORE COLOURS

Single core: pink

SHEATH COLOUR

Red

COMMON FEATURES

Suitable for the transport of energy between the substations and large users,For free-hanging, tube or channel.Laying underground in accordance with Art. 4.3.11 of IEC 11-17

EMPLOYMENT

Minimum bending radius per D cable diameter (in mm): 12 D

Maximum pulling stress: 60 N/mm²

PACKING

Drums to agree.

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ALTA TENSIONE RG16H1R12 Uo/U : 26/45 kV - U max : 52 kV (EX GRADO 67)

Conductor Number	Nominal Section	Approx conductor diameter	Approx insulation diameter	Approx external production diameter	Approx cable weight	Minimum radius bending
(N°)	(mmq)	(mm)	(mm)	(mm)	(kg/km)	(mm)
Single core						
1x	50	8.1	30.2	40.0	1800	480
1x	70	9.9	33.3	43.0	1990	550
1x	95	11.5	34.9	44.0	2300	580
1x	120	12.9	36.5	45.6	2630	585
1x	150	14.2	36.85	46.0	2790	590
1x	185	15.9	38.85	47.0	3200	610
1x	240	18.3	40.95	49.5	3820	650
1x	300	20.7	43.4	53.0	4640	690
1x	400	23.5	46.2	56.0	5430	730
1x	500	26.5	49.3	59.0	6600	770
1x	630	31.2	53.3	64.0	8200	850

Formation	Electric resistance at 20°C	Capacities 50 Hz	Apparent resistance at 105°C and 50 Hz		Phase Reactance		Current carrying capacities			
			Trefoil formation	Flat	Trefoil formation	Flat	Trefoil formation in air	Flat in air	Trefoil formation in ground	Flat in ground
(N°xmmq)	(Ohm/km)	(microF/km)	(Ohm/km)	(Ohm/km)	(Ohm/km)	(Ohm/km)	(A)	(A)	(A)	(A)
Single core										
1x50	0.387	0.15	0.494	0.494	0.15	0.20	225	250	205	212
1x70	0.268	0.15	0.342	0.342	0.15	0.21	280	315	255	260
1x95	0.193	0.16	0.246	0.246	0.14	0.20	340	380	300	310
1x120	0.153	0.18	0.196	0.196	0.14	0.20	395	440	355	365
1x150	0.124	0.20	0.159	0.158	0.13	0.19	445	495	385	395
1x185	0.0991	0.21	0.128	0.127	0.13	0.19	510	570	440	450
1x240	0.0754	0.23	0.0985	0.0972	0.12	0.18	600	665	510	520
1x300	0.0601	0.26	0.0797	0.0779	0.12	0.18	695	760	570	580
1x400	0.0470	0.28	0.0638	0.0616	0.11	0.17	800	875	650	655
1x500	0.0366	0.31	0.0517	0.0489	0.11	0.17	930	1010	735	740
1x630	0.0283	0.34	0.0425	0.0389	0.10	0.16	1070	1180	835	845