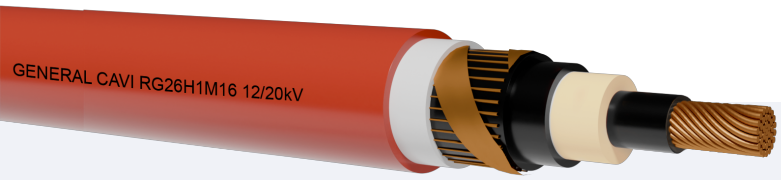
RG26H1M16 12/20kV L.S.0.H. 105°

CPR Cca-s1b,d1,a1

Model Product: 7A0 - 20200212



Rigid class 2 red copper conductor.
Inner semi-conducting layer
Elastomeric mixture insulation (G26 quality).
Cold-peelable extruded elastomeric external semiconductor
Red copper wire shield.
Not fibrous and not hygroscopic filler
LSZH thermoplastic sheath, M16.

STANDARDS

CEI UNEL 35334 HD 620 CEI 20-13pqa, IEC 60502pqa
EN 50575:2014 + EN 50575/A1:2016 (IEC 60332-1-2)

Complies with Directive 2011/65/EU (RoHS 3), REACH, RAEE

Cables for connections between substations and large users

Nominal voltage U0: 12 kV

Nominal voltage U: 20 kV

Test voltage: 42 kV

Maximun voltage Um: 24 kV

Maximun operating temperature: 105 °C

Maximun short circuit temperature: 300 °C

Minimum installation and laying temperature: -5°C

Min. operating temperature (without mechanical shocks): -20°C

CORE COLOURS

Single core: pink

SHEATH COLOUR

Red

COMMON FEATURES

Suitable for the transport of energy between the substations and large users, particularly suitable in areas with danger of fire equipment on the premises where they are concentrated, frameworks and tools where it is essential to safeguard them (e.g. schools, hospitals, public premises, hotels, supermarkets, tubes, cinemas, theatres, discotheques, public offices). .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.For free-hanging, tube or channel. Laying underground AD7 in accordance with Art. 4.3.11 of IEC 11-17
Special Features UV resistance according to EN 50289-4-17

INK MARKING

General Cavi Cca-s1b,d1,a1 RG26H1M16 12/20kV CEI UNEL 35334 LS0H 105 [form.] [year] [traceability data] [metric]

NOTE

Special features on request:RI (Hydrocarbon Resistant) CEI 20-34 / 0-1 and PQA to OIL & GAS specifications.

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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RG26H1M16 12/20 kV L.S.O.H. - ATOSSICO - 105°C

Conductor Number	Nominal Section	Approx conductor diameter	Approx insulation diameter	MAXIMUM external diameter	Approx cable weight	Minimum radius bending
(N°)	(mmq)	(mm)	(mm)	(mm)	(kg/km)	(mm)
Single core						
1x	25	6.0	17	30.4	1120	365
1x	35	7.0	17	31.2	1250	375
1x	50	8.1	18	31.7	1300	380
1x	70	9.9	19	32.8	1570	394
1x	95	11.5	21	34.5	1870	414
1x	120	12.9	22	36.4	2190	437
1x	150	14.2	24	37.0	2500	444
1x	185	15.9	25	39.5	2960	474
1x	240	18.3	28	42.4	3580	506
1x	300	20.7	31	46.0	4280	552
1x	400	23.5	33	49.3	5260	592
1x	500	26.5	37	53.5	6460	642
1x	630	31.2	40	59.0	8100	708

Nominal Section	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° x mmq)	(Ohm/km)	(microF/km)	(Ohm/km)	(Ohm/km)	(Ohm/km)	(Ohm/km)	(A)	(A)	(A)	(A)
Single core										
1x25	0.727	0.17	0.970	0.970	0.14	0.20	175	203	166	172
1x35	0.524	0.20	0.669	0.669	0.13	0.19	212	248	199	206
1x50	0.387	0.22	0.517	0.517	0.13	0.18	253	297	235	244
1x70	0.268	0.25	0.358	0.358	0.12	0.18	316	373	288	299
1x95	0.193	0.29	0.258	0.258	0.11	0.17	385	455	345	358
1x120	0.153	0.31	0.205	0.205	0.11	0.17	445	525	392	406
1x150	0.124	0.34	0.166	0.166	0.11	0.16	506	595	440	454
1x185	0.0991	0.37	0.134	0.134	0.10	0.16	581	680	496	512
1x240	0.0754	0.41	0.102	0.102	0.10	0.16	688	802	574	591
1x300	0.0601	0.46	0.083	0.082	0.095	0.15	790	916	647	664
1x400	0.0470	0.49	0.066	0.065	0.093	0.15	914	1049	730	756
1x500	0.0366	0.56	0.053	0.052	0.090	0.15	1058	1208	828	848
1x630	0.0283	0.62	0.043	0.041	0.087	0.14	1219	1379	927	940

*) The flow rates refer to the following conditions: Thermal resistivity of the ground: 1 K m/W; Room temperature 20°C; installation depth: 0.8 m