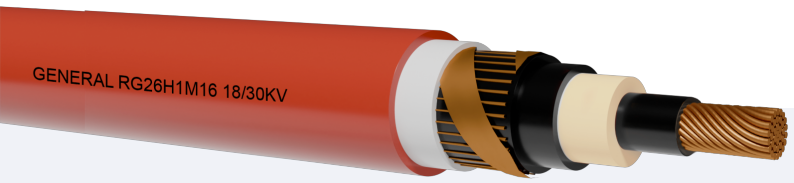
RG26H1M16 18/30kV L.S.0.H. 105°

CPR Cca-s1b,d1,a1

Model Product: 7A5 - 20200212



Cables for connections between substations and large users

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

- Nominal voltage U0: 18 kV
- Nominal voltage U: 30 kV
- Test voltage: 63 kV
- Maximun voltage Um: 36 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 CPRFor 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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18/30 kV LS0H

Conductor Number	Nominal Section	Approx conductor diameter	Approx insulation diameter	Maximum outer diameter	Approx cable weight	Minimum radius bending
(N°)	(mmq)	(mm)	(mm)	(mm)	(kg/km)	(mm)
Single core						
1x	35	7.0	25.6	38.2	1830	458
1x	50	8.1	25	38.5	1890	462
1x	70	9.9	25	39.1	2070	469
1x	95	11.5	26	40	2340	480
1x	120	12.9	27	41.1	2590	493
1x	150	14.2	28.2	42.5	2920	510
1x	185	15.9	29.3	44.1	3300	530
1x	240	18.3	31	45.1	3950	542
1x	300	20.7	34.4	48.6	4720	584
1x	400	23.5	37	51.8	5670	622
1x	500	26.5	41	56	6930	672
1x	630	31.2	45	61.7	8680	741

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										
1x35	0.524	0.13	0.665	0.665	0.13	0.20	215	248	200	206
1x50	0.387	0.15	0.516	0.516	0.14	0.20	256	290	231	240
1x70	0.268	0.17	0.358	0.358	0.13	0.19	319	360	284	294
1x95	0.193	0.19	0.258	0.258	0.12	0.18	389	441	339	351
1x120	0.153	0.22	0.205	0.205	0.12	0.18	449	507	387	400
1x150	0.124	0.24	0.166	0.166	0.11	0.17	506	576	432	448
1x185	0.0991	0.27	0.133	0.133	0.11	0.17	582	661	489	507
1x240	0.0754	0.30	0.102	0.102	0.10	0.16	689	775	567	583
1x300	0.0601	0.34	0.082	0.082	0.10	0.16	790	884	640	654
1x400	0.0470	0.38	0.065	0.065	0.099	0.16	913	1020	725	740
1x500	0.0366	0.42	0.053	0.052	0.095	0.15	1056	1174	820	835
1x630	0.0283	0.47	0.043	0.041	0.093	0.15	1210	1334	923	932

*) 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