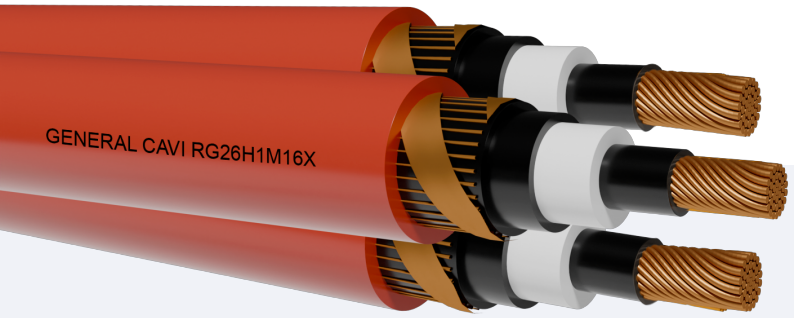
RG26H1M16X 12/20kV e 18/30kV LS0H 105°

CPR Cca-s1b,d1,a1

Model Product: 7A0-7A5 - 20210305



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 35334pqa 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

Precorded Unipolar Cables for connections between substations and large users

Nominal voltage U0: 12 kV : 18 kV
Nominal voltage U: 20 kV : 30 kV
Test voltage: 42 kV : 63 kV
Maximun voltage Um: 24 kV : 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

INK MARKING

General Cavi Cca-s1b,d1,a1 RG26H1M16 12/20kV LS0H 105 [3x1x.] [year] [traceability data] [metric]FASE 1/2/3

NOTE

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

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 in accordance with Art. 4.3.11 of IEC 11-17
Special Features UV resistance according to EN 50289-4-17

EMPLOYMENT

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

Maximum pulling stress: 60 N/mm²

PACKING

Drums to agree.

RG26H1M16X 12/20kV e 18/30kV
LS0H 105°
CPR Cca-s1b,d1,a1
Model Product: 7A0-7A5 - 20210305

RG26H1M16X 12/20 kV L.S.O.H. - ATOSSICO - 105°C

Conductor Number	Nominal Section	Approx conductor diameter	Approx insulation diameter	Reunited External Diameter	Approx cable weight	Minimum radius bending
(N°)	(mmq)	(mm)	(mm)	(mm)	(kg/km)	(mm)
Three cores						
3x1x	25	6.0	17	53	2340	604
3x1x	35	7.0	17	55	2550	606
3x1x	50	8.1	18	56	2940	622
3x1x	70	9.9	19	59.5	3570	655
3x1x	95	11.5	21	62.5	4410	699
3x1x	120	12.9	22	66	5220	751
3x1x	150	14.2	24	69.5	6060	804
3x1x	185	15.9	25	74	7320	855
3x1x	240	18.3	28	80.5	9120	907
3x1x	300	20.7	31	87	11100	978
3x1x	400	23.5	33	94	13650	1038
3x1x	500	26.6	37	100.5	17010	1166
3x1x	630	31.2	40	111	21315	1270

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		Trefoil formation in air	*Trefoil formation in ground
(N° x mmq)	(Ohm/km)	(microF/km)	(Ohm/km)	(Ohm/km)	(A)	(A)
Three cores						
3x1x25	0.727	0.17	0.970	0.14	175	166
3x1x35	0.524	0.20	0.669	0.13	212	199
3x1x50	0.387	0.22	0.517	0.13	253	235
3x1x70	0.268	0.25	0.358	0.12	316	288
3x1x95	0.193	0.29	0.258	0.11	385	345
3x1x120	0.153	0.31	0.205	0.11	445	392
3x1x150	0.124	0.34	0.166	0.11	506	440
3x1x185	0.0991	0.37	0.134	0.10	581	496
3x1x240	0.0754	0.41	0.102	0.10	688	574
3x1x300	0.0601	0.46	0.083	0.095	790	647
3x1x400	0.0470	0.49	0.066	0.093	914	730
3x1x500	0.0366	0.56	0.053	0.090	1058	828
3x1x630	0.0283	0.62	0.043	0.087	1219	927

RG26H1M16X 12/20kV e 18/30kV LSOH 105°

CPR Cca-s1b,d1,a1

Model Product: 7A0-7A5 - 20210305

RG26H1M16X 18/30 kV L.S.O.H. - ATOSSICO - 105°C

Conductor Number	Nominal Section	Approx conductor diameter	Approx insulation diameter	Approx external diameter	Approx cable weight	Minimum radius bending
(N°)	(mmq)	(mm)	(mm)	(mm)	(kg/km)	(mm)
Three cores						
3x1x	35	7.0	25.6	69.5	4100	816
3x1x	50	8.1	25	72	4140	821
3x1x	70	9.9	25	73.5	4680	830
3x1x	95	11.5	26	75	5430	842
3x1x	120	12.9	27	77	6150	868
3x1x	150	14.2	28.2	79.5	7020	897
3x1x	185	15.9	29.3	82	8100	933
3x1x	240	18.3	31	88.5	9960	998
3x1x	300	20.7	34.4	94.5	11970	1076
3x1x	400	23.5	37	101	14925	1148
3x1x	500	26.5	41	108.5	18165	1247
3x1x	630	31.2	45	119.5	22602	1600

Nominal Section	Elettric Resistace 20°C	Capacities 50 Hz	Apparent resistance at 105°C and 50 Hz	Phase Reactance	Current carrying capacities	
					30°C in air	* In ground
(N°xmmq)	(Ohm/km)	(microF/km)	(Ohm/km)	(Ohm/km)	(A)	(A)
Three cores						
3x1x35	0.524	0.13	0.665	0.13	215	200
3x1x50	0.367	0.15	0.516	0.14	256	231
3x1x70	0.268	0.17	0.358	0.13	319	284
3x1x95	0.193	0.19	0.258	0.12	389	339
3x1x120	0.153	0.22	0.205	0.12	449	387
3x1x150	0.124	0.24	0.166	0.11	506	432
3x1x185	0.0991	0.27	0.133	0.11	582	489
3x1x240	0.0754	0.30	0.102	0.10	689	567
3x1x300	0.0601	0.34	0.082	0.10	790	640
3x1x400	0.0470	0.38	0.065	0.099	913	725
3x1x500	0.0366	0.42	0.053	0.095	1056	820
3x1x630	0.0283	0.47	0.043	0.093	1210	923

*) 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