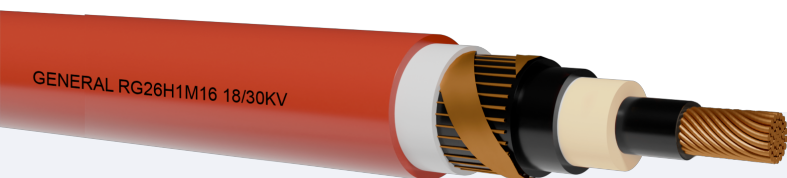


RG26H1M16 18/30kV L.S.O.H. 105°

CPR Cca-s1b,d1,a1

Model Product: 7A5 - 20200212

general
General Cavi s.p.a.



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)

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 and 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

EMPLOYMENT

Minimum bending radius per D cable diameter (in mm): 12 D
Maximum pulling stress: 60 N/mm²

PACKING

Drums to agree.

Cables for connections between substations and large users

Nominal voltage U0: 18 kV

Nominal voltage U: 30 kV

Test voltage: 63 kV

Maximum voltage Um: 36 kV

Maximum operating temperature: +105°C

Maximum 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 CEI UNEL 35334 LSOH 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.

RG26H1M16 18/30kV L.S.O.H. 105°

CPR Cca-s1b,d1,a1

Model Product: 7A5 - 20200212



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		8.2		25		38.5		1890		462	
1x		70		9.8		25		39.1		2070		469	
1x		95		11.5		26		40		2340		480	
1x		120		13.0		27		41.1		2590		493	
1x		150		14.4		28.2		42.5		2920		510	
1x		185		16.1		29.3		44.1		3300		530	
1x		240		18.5		31		45.1		3950		542	
1x		300		20.7		34.4		48.6		4720		584	
1x		400		23.4		37		51.8		5670		622	
1x		500		26.2		41		56		6930		672	
1x		630		29.8		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