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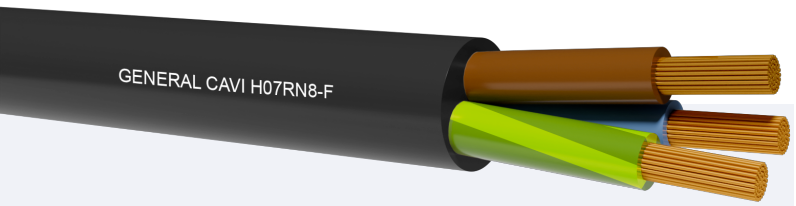
CAVO PER POMPE (SUBMERSIBLE PUMP CABLE)

Model Product: 266-267 - 20160412



ENERGY TRANSMISSION WATER RESISTANT RUBBER INSULATED CABLES WITH SPECIAL SHEATH

Class 5 flexible copper conductor.
Elastomeric mixture Insulation in EI4 quality.
SPECIAL sheath in polychloroprene quality EM2 WATER RESISTANT according to EN 50525-2-21 Attachments D / E

STANDARDS

CEI EN 50525-2-21 CEI 20-107/2-21 CEI 20-19/4 (CENELEC HD 22.4 S4) BS 7919:2001 NF C 32-102-4 VDE 0282-4
CEI EN60332-1-2 (CEI 20-35) BS EN 60332-1-2 NF EN 60332-1-2 DIN EN 60332-1-2

Accordingly to the standards BT 2014/35/UE- RoHS 3: 2002/95/EC

Nominal voltage U0: 450 V
Nominal voltage U: 750 V
Test voltage: 2500 V
Maximun voltage Um: 1000V Installazioni Fisse / for fixed and protected installation
Maximun operating temperature: +60°C
Maximun short circuit temperature: +200°C
Minimum installation and laying temperature: -25°C
Min. operating temperature (without mechanical shocks): -40°c
Minimum installation and laying temperature: -25°C

COMMON FEATURES

Particularly suited for connecting submarged pumps and cases in which the cable is permanently under water AD8, in open air, in workshops with an explosive athmosphere. When used for connections they are subjected to medium mechanical stress as: equipments in industrials and agricoltural workshops, great boilers, heating plates, portable lamps, electric tools as drills, circular saws and so on, electric home-tools, motors or trasportable generators in construction sites or agricultural plants, and so on. It can be used even in fixed layings like floors and temporary construction site set offs ect.Ozono Resistent. It can be used for indirect underground laying only with mechanical protection and standard flexible employment.

EMPLOYMENT

Minimum bending radius per D cable diameter (in mm):
Fixed installation D<8=3D D<12=3D D<20=4D D>20=4D
Free Movement D<8=4D D<12=4D D<20=5D D>20=6D

Maximum pulling stress: 15 N/mm2 section of copper dynamic applications, for fixed 50 N/mm2

PACKING

100mt. rings in thermoplastic film or drums to agree.

CORE COLOURS

Single core: black

Two cores: blue-brown

Three cores: Brown - Black - Gray (o Y/G, Blue and Brown)

Four cores: blue-brown-black-gray (or Y/G instead blue)

Five cores: Y/G-blue-brown-black-gray (black no Y/G)

Multicores: black with numbers and Y/G

SHEATH COLOUR

Black

INK MARKING

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NOTE

Cables can be used up to +85°C (for fixed protected installations)
OZONE RESISTANT" according to the standards CEI EN 60811-2-1 (Test method A) and CEI EN 50396 (Test method B).

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Cores number	Cross section	Approx conductor diameter	Insulation medium thickness	Approx external production diameter	Approx cable weight	Electric resistance at 20°C	Mobile service Current carrying capacities
(N°)	(mm²)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)
Single core							
1x	1.5	1.6	0.8	5.9	50	13.3	16
1x	2.5	2	0.9	6.50	65	7.98	25
1x	4	2.6	1.0	7.4	89	4.95	30
1x	6	3.4	1.0	8.10	115	3.30	38
1x	10	4.4	1.2	10.4	190	1.91	53
1x	16	5.7	1.2	11.62	259	1.21	71
1x	25	6.9	1.4	13.74	375	0.780	94
1x	35	8.1	1.4	15.35	492	0.554	117
1x	50	9.8	1.6	17.68	675	0.386	148
1x	70	11.6	1.6	20.00	908	0.272	185
1x	95	13.3	1.8	22.12	1171	0.206	222
1x	120	15.1	1.8	24.54	1445	0.161	260
1x	150	16.8	2.0	26.87	1783	0.129	300
1x	185	18.6	2.2	28.89	2125	0.106	341
1x	240	21.4	2.4	32.62	2733	0.0801	407
1x	300	23.9	2.6	36.46	3348	0.0641	468
Two cores							
2X	1	1.3	0.8	8.4	90	19.5	10
2x	1.5	1.6	0.8	9.10	109	13.3	18
2x	2.5	2	0.9	10.80	158	7.98	27
2x	4	2.6	1.0	12.40	217	4.95	34
2x	6	3.4	1.0	13.80	282	3.30	43
2x	10	4.4	1.2	19.37	539	1.91	60
2x	16	5.7	1.2	21.76	722	1.21	79
2x	25	6.9	1.4	25.93	1043	0.78	105
Three cores							
3G	1	1.3	0.8	9.07	110	19.5	10
3G	1.5	1.6	0.8	10.18	134	13.3	16
3G	2.5	2.0	0.9	11.58	196	7.980	25
3G	4	2.6	1.0	13.3	271	4.95	29
3G	6	3.4	1.0	14.78	355	3.30	36
3G	10	4.4	1.2	20.73	674	1.91	51
3G	16	5.7	1.2	23.26	913	1.21	67
3G	25	6.9	1.4	27.69	1324	0.78	89

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(N°)	(mm²)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)
3G	35	8.1	1.4	30.95	1754	0.554	110
3G	50	9.8	1.6	35.80	2409	0.386	138
3G	70	11.6	1.6	40.45	3211	0.272	172
3G	95	13.3	1.8	45.08	4210	0.206	204
3G	120	15.1	1.8	49.93	5205	0.161	238
3G	150	16.8	2.0	54.78	6389	0.129	273
3G	185	18.6	2.2	58.99	7591	0.106	309
3G	240	21.4	2.4	67.85	9944	0.0801	365
Four cores							
4G	1	1.3	0.8	10.0	136	19.5	10
4G	1.5	1.6	0.8	10.76	166	13.3	16
4G	2.5	2.0	0.9	12.73	241	7.98	20
4G	4	2.6	1.0	14.63	336	4.95	30
4G	6	3.4	1.0	16.44	449	3.30	37
4G	10	4.4	1.2	22.57	833	1.91	52
4G	16	5.7	1.2	25.36	1138	1.21	69
4G	25	6.9	1.4	30.75	1714	0.780	92
4G	35	8.1	1.4	34.23	2204	0.554	114
4G	50	9.8	1.6	39.56	3029	0.386	143
4G	70	11.6	1.6	44.89	4121	0.272	178
4G	95	13.3	1.8	50.36	5361	0.206	210
4G	120	15.1	1.8	55.33	6546	0.161	246
4G	150	16.8	2.0	60.87	8095	0.129	282
4G	185	18.6	2.2	65.70	9652	0.106	319
4G	240	21.4	2.4	75.70	12614	0.0801	377
Five cores							
5G	1	1.3	0.8	11.0	168	19.5	10
5G	1.5	1.6	0.8	11.80	206	13.3	16
5G	2.5	2.0	0.9	13.96	297	7.98	20
5G	4	2.6	1.0	16.25	422	4.95	30
5G	6	3.4	1.0	18.07	567	3.30	38
5G	10	4.4	1.2	24.75	1010	1.91	54
5G	16	5.7	1.2	28.01	1400	1.21	71
5G	25	6.9	1.4	33.57	2096	0.78	94
Multicores							

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(N°)	(mm²)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)
7G	1.5	1.6	0.8	15.3	315	13.3	16
7G	2.5	2.0	0.9	17.9	445	7.98	20
7G	4	2.6	1.0	19.64	618	4.95	25
10G	1.5	1.6	0.8	17.5	420	13.3	16
12G	1.5	1.6	0.8	18.43	493	13.3	16
12G	2.5	2.0	0.9	22.17	702	7.98	20
12G	4	2.6	1.0	25.77	1004	4.95	25
19G	1.5	1.6	0.8	22.79	710	13.3	16
19G	2.5	2.0	0.9	26.25	1030	7.98	20
24G	1.5	1.6	0.8	25.04	898	13.3	16
24G	2.5	2.0	0.9	29.37	1312	7.98	20
36G	1.5	1.6	0.8	29.3	1246	13.3	16
36G	2.5	2.0	0.9	35.04	1851	7.98	20

Current carrying capacities for unipolar cables are calculated on 3 spanned cables.
Current carrying capacities for cables are calculated on 3-4 spanned cables.
Special Bending Radius:
At the entrance to a portable device or a mobile device
mechanical stress with D <8 = 6D D <12 = 6D D <20 = 6D D> 20 = 8D
Winding repeated D <8 = 6D D <12 = 6D D <20 = 6D D> 20 = 8D
Diverted to pulley D <8 = 8D D <12 = 8D D <20 = 8D D> 20 = 8D