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EVENTS: Offshore Europe 2019 - 3rd to 6th September, 2019 Aberdeen, UK Booth #1AB51 <https://www.offshore-europe.co.uk/>

Products

- Electrical Dry-Mate
- Optical Hybrid Dry-Mate
- Electrical Underwater Mateable
- Electrical Wet-Mate
- Optical Underwater Mateable
- Connectors
- Downhole
- Field Installable
- Underwater Switches
- Penetrators
- Specialty Products
- Explosion Proof
- Rochester Cables
- Ethernet

Services

- After Sales Service
- On-Site Support
- Test Facilities
- In-House CNC & Manufacturing
- Specialized Molding
- Design & Engineering
- Research & Development
- Project Management

Technical Data

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 - RUBBER MOLDED CONNECTOR SERIES

RUBBER AND SPECIALIZED MOLDED CABLE ASSEMBLIES

SEACON can offer a comprehensive solution for all of your rubber molding requirements from connector design to a complete cable assembly for most applications.

Neoprene, hypalon and other rubber materials used in the manufacture of molded products all comply with strict testing procedures including hydrostatic, electrical and environmental, performed by our experienced quality personnel. SEACON also molds in polyurethane and chockfast orange epoxy for specialized military requirements where high performance is required, such as down hole monitoring and undersea exploration, all utilize SEACON assemblies.

Our assemblies are being used by the U.S. Navy on both surface ships and submarines including the Deep Sea Rescue (D.S.R.V.), Mine countermeasure and sonar systems for the military along with commercial applications where high performance is required, such as down hole monitoring and undersea exploration, all utilize SEACON assemblies.

We follow strict in-house and government approved molding procedures for the manufacture of high performance molded assemblies. From large diameter shielded cable to the extremely small single conductor cable, with polyurethane, neoprene or polyethylene jackets, all are standard for us. Please contact us with your requirements.

ELECTRICAL CABLES

No.Of CDRS	Cable Part No.	CDR Size	CDR Matl.	CDR Insul.	Outer Jacket	Ø	DC (V)	Amps Per CDR	DC Res. Ohms Per 1,000 ft	WT. Per 1,000 ft	Break Str.
1	IN2	20 awg	Cad Bronze	Rubber	Neoprene	0.149	300	3	12	16	65
1	IN2-T	20 awg	Cad Bronze	TFE Insulated wire *	Neoprene	0.148	600	3	12	13	65
1	16/1 SO	16 awg	Copper	Rubber	Neoprene	0.210	600	10	4.2	30	80
1	14/ SO	14 awg	Copper	Rubber	Neoprene	0.260	600	15	2.6	45	115
1	8/1 SO	8 awg	Copper	Rubber	Neoprene	0.440	600	45	0.65	135	280
1	0/1 SO	0 awg	Copper	Rubber	Neoprene	0.750	600	200	0.10	550	3075
COAX											
1	SHLD CN4 (RG 58)	20 awg	Copper	Fep	Neoprene	0.251	5000	4	11	46	50
1	SHLD CN5 (RG 58)	20 awg	Copper	Fep	Neoprene	0.300	5000	4	11	57	50
2	SHLD 2N5-S	20 awg	Cad Bronze	Rubber	Neoprene	0.375	600	4	12	78	200
2	18/2 SO	18 awg	Copper	Rubber	Neoprene	0.390	600	7	6.7	86	75
2	16/2 SO	16 awg	Copper	Rubber	Neoprene	0.405	600	10	4.2	94	140
2	14/2 SO	14 awg	Copper	Rubber	Neoprene	0.530	600	15	2.6	158	225
2	8/2 W	8 awg	Copper	Rubber	Neoprene	0.810	600	35	0.65	370	1000
3	3N5	20 awg	Cad Bronze	Rubber	Neoprene	0.343	600	3	12	60	200
3	18/3 SO	18 awg	Copper	Rubber	Neoprene	0.370	600	7	6.7	96	125
3	SHLD 18/3 SO S	18 awg	Copper	Rubber	Neoprene	0.345	600	7	6.7	102	145
3	16/3 SO	16 awg	Copper	Rubber	Neoprene	0.427	600	10	4.2	110	210
3	14/3 SO	14 awg	Copper	Rubber	Neoprene	0.560	600	15	2.6	184	260
3	12/3 SO	12 awg	Copper	Rubber	Neoprene	0.635	600	20	1.2	244	320
3	8/3 W	8 awg	Copper	Rubber	Neoprene	0.910	600	50	0.65	480	1500
4	18/4 SO	18 awg	Copper	Rubber	Neoprene	0.435	600	6	7.0	112	175
4	16/4 SO	16 awg	Copper	Rubber	Neoprene	0.485	600	8	4.8	144	280
4	14/4 SO	14 awg	Copper	Rubber	Neoprene	0.605	600	12	2.8	224	340
4	12/4 SO	12 awg	Copper	Rubber	Neoprene	0.665	600	16	1.2	282	400
4	8/4 W	8 awg	Copper	Rubber	Neoprene	0.990	600	45	0.65	630	2000
5	18/5 SO	18 awg	Copper	Rubber	Neoprene	0.495	600	6	7	128	230
5	16/5 SO	16 awg	Copper	Rubber	Neoprene	0.525	600	8	4.9	156	260
6	18/6 SO	18 awg	Copper	Rubber	Neoprene	0.525	600	6	7	146	250
6	16/6 SO	16 awg	Copper	Rubber	Neoprene	0.565	600	8	4.9	178	290
6	SHLD 18/6 SO S	18 awg	Copper	Rubber	Neoprene	0.555	350	6	7	145	280
6	SHLD Columbia 01206	18 awg	Copper	Rubber	Neoprene	0.370	450	6	7	130	200
7	18/7 SO	18 awg	Copper	Rubber	Neoprene	0.565	600	5	7.5	165	280
7	16/7 SO	16 awg	Copper	Rubber	Neoprene	0.605	600	7	5.4	202	320
8	18/8 SO	18 awg	Copper	Rubber	Neoprene	0.600	600	5	7.5	184	300
8	16/8 SO	16 awg	Copper	Rubber	Neoprene	0.645	600	7	5.4	222	350
10	18/10 SO	18 awg	Copper	Rubber	Neoprene	0.640	600	5	7.5	208	360
10	Columbia #3510	20 awg	Copper	Rubber	Neoprene	0.410	350	3			
12	18/12 SO	18 awg	Copper	Rubber	Neoprene	0.660	600	5	7.5	225	370
12	16/12 SO	16 awg	Copper	Rubber	Neoprene	0.740	600	7	5.4	305	420

News Feed

- TE Connectivity (TE)'s SEACON HydraElectric Range of Rugged and Reliable Wet-Mate Connectors on Display at OTC 2019
- TE Connectivity (TE) to Showcase SEACON 55 Range of Durable, Dry-Mate Connectors at Ocean Business 2019
- TE Connectivity to Show Wide Range of Interconnect Products for Hydrographic Industry at U.S. Hydro 2019
- See TE Connectivity (TE)'s SEACON HydraElectric Wet-Mate Connector at Subsea Treback 2019

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16	18/16 SO	18 awg	Copper	Rubber	Neoprene	0.760	600	5	7.5	314	440
16	16/16 SO	16 awg	Copper	Rubber	Neoprene	0.825	600	7	5.4	386	600
20	18/20 SO	18 awg	Copper	Rubber	Neoprene	0.835	600	5	7.5	378	510
24	18/24 SO	18 awg	Copper	Rubber	Neoprene	0.910	600	5	7.5	434	560
30	18/30 SO	18 awg	Copper	Rubber	Neoprene	0.995	600	4	8.8	542	1190
37	18/37 SO	18 awg	Copper	Rubber	Neoprene	1.072	600	4	8.8	656	1475
40	18/40 SO	18 awg	Copper	Rubber	Neoprene	1.136	600	4	8.8	703	1550
60	18/60 SO	18 awg	Copper	Rubber	Neoprene	1.301	600	4	8.8	953	1850
60	16/60 SO	16 awg	Copper	Rubber	Neoprene	1.465	600	5	7.0	1260	2400

NOTES:
Kevlar Braid, Center Stress Core and Armour Terminations are available. Please contact SEA CON® for further information.

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ELECTRICAL CONTACT SIZES

CONTACT AWG	DIAMETER (INCHES)	AMPACITY (AMPS)
#28 AWG	0.015	0.5
#22 AWG	0.031	2.5
#20 AWG	0.040	4
#16 AWG	0.062	13
#14 AWG	0.093	16
#10 AWG	0.125	23
#8 AWG	0.156	50
#6 AWG	0.218	65
#4 AWG	0.255	90
#1/0 AWG	0.355	200

NOTES:
The ampacity is computed at temperature range of +30°F +68°F.
Above 70°F the ampacity drops.
Pins and sockets are brass alloy. Pins are gold plated per MIL-G-45204.
Most contacts conform to MIL-C-24217.

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MAXIMUM CABLE O.D

ALL-WET CONNECTORS

TYPE OF CONNECTOR	MAXIMUM CABLE O.D
AWL	½ (0.500)
AWM	7-8 (0.875)
AWO	1 ¼ (1.250)
FAWL	3/8 (0.375)

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GLASS REINFORCED EPOXY SERIES

TYPE OF CONNECTOR	MAXIMUM CABLE O.D
XSEE-CCP	1 (1.000)
XSEE-CCP-R/A	1 (1.000) STRAIGHT & ½ (0.500) RIGHT ANGLE
XSEE-CCR	5/8 (0.625)
XSJ-CCP	7/8 (0.875)
XSJ-CCP-R/A	½ (5.00)
XSJ-CCR	¾ (0.750)
XSJ-CCR-R/A	¾ (0.750)
XSJJ-CCP	7/8 (0.875)
XSJJ-CCP-R/A	¾ (0.500)
XJSS-CCR	¾ (0.750)
XSJJ-CCR-R/A	¾ (0.750)
XSL-CCP	7/8 (0.875)
XSL-CCP-R/A	¾ (0.750)
XSL-CCP-DOUBLE-R/A	15/16 (0.937)
XSL-CCR-R/A	1 3/8 (1.375)
XSL-CCR	7/8 (0.875)
XSM-CCP	1 1/8 (1.125)
XSM-CCP-R/A	1 ¼ (1.250)
XSM-CCR	1 1/8 (1.125)
XSM-CCR-R/A	1 ¼ (1.250)

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METAL SHELL SERIES

TYPE OF CONNECTOR	MAXIMUM CABLE O.D
SDVG OR MSG	1 ¼ (1.750)
SDVG OR MSG	¾ (0.750)
SDVG OR MSG	½ (0.500)
MSSK-CCP	15/16 (0.937)
MSSK-CCP-R/A	7/8 (0.875)
MSSK-CCR	13/16 (0.812)
MSSL-CCP	1 (1.000)
MSSL-CCP-R/A	1 (1.000)
MSSL-CCR	1 (1.000)
MSSM-CCP	1 3/16 (1.812)
MSSM-CCP-R/A	1 7/32 (1.216)
MSSM-CCR	1 ¼ (1.250)
MSSQ-CCP	1 ¼ (1.750)
MSSQ-CCP-R/A	1 ¼ (1.750)
MSSQ-CCR	1 ¼ (1.750)
MSSP-CCP	1 7/8 (1.875)
MSSP-CCP-R/A	1 7/8 (1.875)
MSSP-CCR	1 7/8 (1.875)
MSSQ-CCP	1 15/16 (1.937)
MSSQ-CCP-R/A	2 ½ (2.500)
MSSQ-CCR	1 ¼ (1.750)
MSSS-CCP	3 ½ (3.500)

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PENETRATORS

TYPE OF CONNECTOR	MAXIMUM CABLE O.D
NPT ½" HP	¾ (0.750)
NPT ½" HP R/A	¾ (0.750)
NPT ½" LP	¾ (0.500)
NPT ½" HP	¾ (0.750)
NPT ½" HP R/A	¾ (0.750)
NPT 3/4" LP	¾ (0.750)
NPT 1" HP	1 (1.000)
NPT 1" HP R/A	1 (1.000)

SEACON Products

Optical Underwater Mate

- > HYDRALIGHT
- > G3
- > Downhole
- > Field Installable – MUX Cable
- > Underwater Switches
- > Penetrators
- > Specialty Products
- > EX-MATE
- > Rochester Cables
- > Ethernet