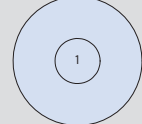
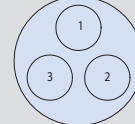
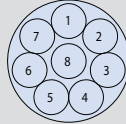
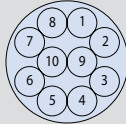
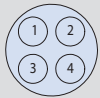




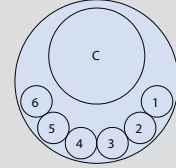
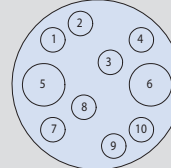
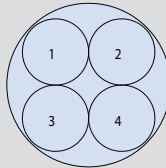
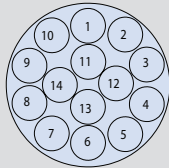
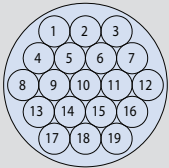
SERIES 70 10K PSI / 700 BAR / 7000 M  
**SeaKing™ High-Pressure Subsea  
 Connectors, Cables, and PBOF Assemblies**  
 Contact arrangements and specifications



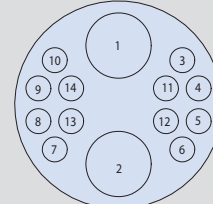
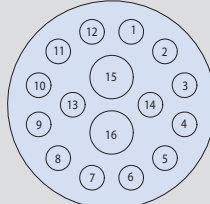
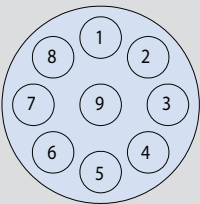
**SEAKING™ CONTACT ARRANGEMENTS** Mating face view of pin insert (socket insert IDs are reversed)



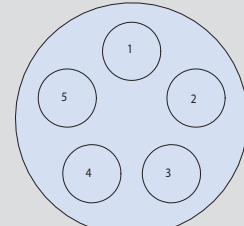
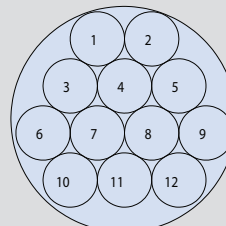
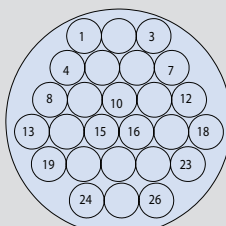
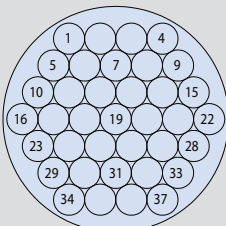
Size E		Size G			
<b>E4</b>	<b>E1</b>	<b>G10</b>	<b>G8</b>	<b>G3</b>	<b>GC</b>
4 Size #22 Contacts	1 Size #16 Contact	10 Size #22 Contacts	8 Size #20 Contacts	3 #16 Contacts	1 Coax Contact



Size K				
<b>K19</b>	<b>K14</b>	<b>K4</b>	<b>KX10</b>	<b>KC6</b>
19 Size #22 Contacts	14 Size #20 Contacts	4 Size #16 Contacts	2 #16 Contacts, 8 #22 Contacts	Single 75 Ohm Coax, 6 #22 Contacts



Size L		
<b>L9</b>	<b>LX16</b>	<b>LX14</b>
9 Size #16 Contacts	14 #22 Contacts 2 #16 Contacts	2 #12 Contacts 12 #22 Contacts



Size M			
<b>M37</b>	<b>M26</b>	<b>M12</b>	<b>M5</b>
37 Size #22 Contacts	26 Size #20 Contacts	12 Size #16 Contacts	5 #12 Contacts 850VDC / 600VAC

SUBSEA/DEEPWATER: SEAKING™





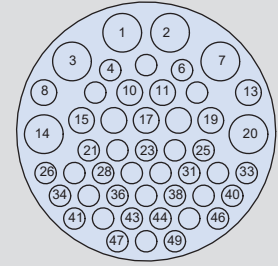
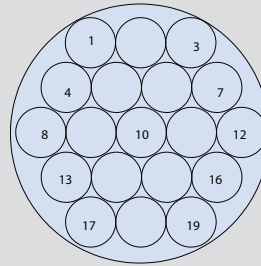
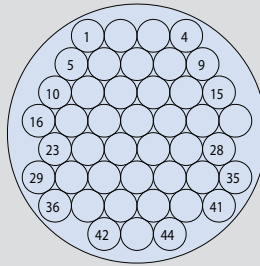
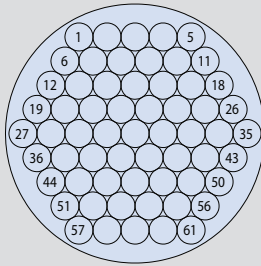
SERIES 70 10K PSI / 700 BAR / 7000 M



# SeaKing™ High-Pressure Subsea Connectors, Cables, and PBOF Assemblies

## Contact arrangements and specifications

Consult factory for custom insert arrangements including a wide range of shielded RF microwave and high frequency contact configurations



### Size O

#### O61

61 Size #22  
Contacts

#### O44

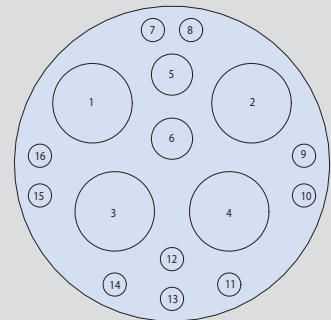
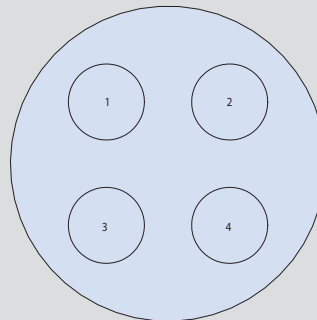
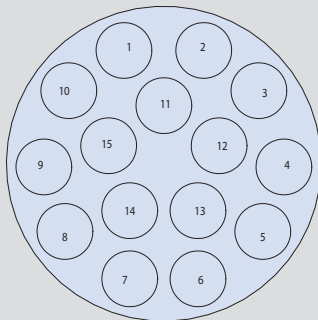
44 Size #20  
Contacts

#### O19

19 Size #16  
Contacts

#### OX49

49 Contacts  
6 #16 • 9 #20 • 34 #22



### Size P

#### P15

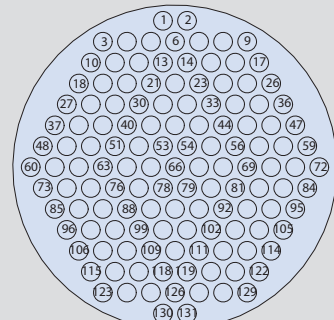
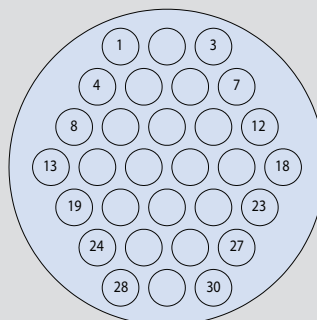
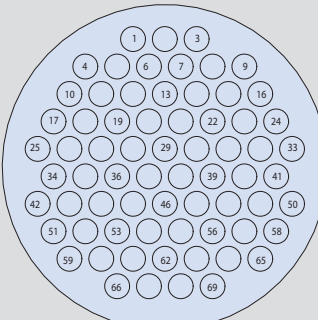
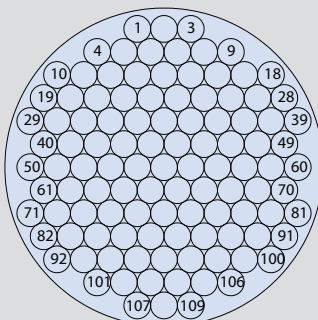
15 Size #12  
Contacts

#### P4

4 Size #8 Contacts  
1kV

#### PX16

16 Contacts  
4 #8 • 2 #16 • 10 #22



### Size Q

#### Q109

109 Size #22  
Contacts

#### Q69

69 Size #20  
Contacts

#### Q30

30 Size #16  
Contacts

### Size R

#### R131

131 Size #22  
Contacts

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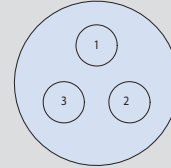
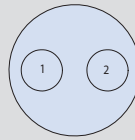
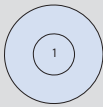
SERIES 70 10K PSI / 700 BAR / 7000 M

# SeaKing™ High-Pressure Subsea Connectors, Cables, and PBOF Assemblies

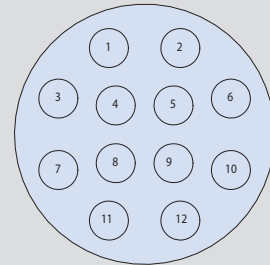
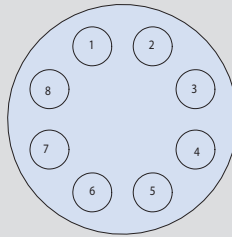
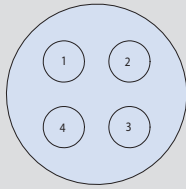


## Contact arrangements and specifications

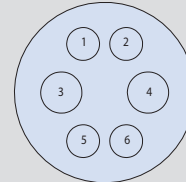
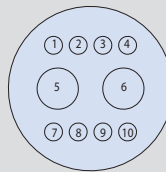
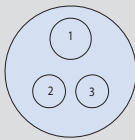
**SEAKING™ FIBER OPTIC AND HYBRID FIBER-ELECTRICAL ARRANGEMENTS** Mating face view of pin insert (socket insert IDs are reversed)



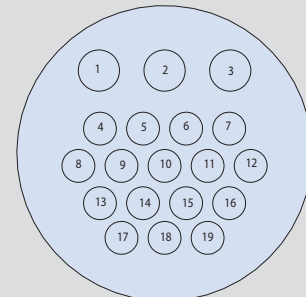
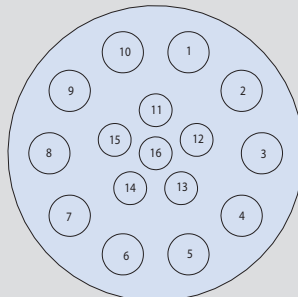
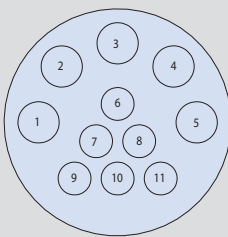
<b>Size E</b>	<b>Size K</b>	<b>Size L</b>
<b>EF1</b>	<b>KF2</b>	<b>LF3</b>
1 Fiber Termini	2 Fiber Termini	3 Fiber Termini



<b>Size M</b>	<b>Size O</b>	<b>Size P</b>
<b>MF4</b>	<b>OF8</b>	<b>PF12</b>
4 Fiber Termini	8 Fiber Termini	12 Fiber Termini



<b>Size K</b>	<b>Size L</b>	<b>Size M</b>
<b>KH12</b>	<b>LH28</b>	<b>MH24</b>
1 Fiber Terminus 2 #16 Contacts	2 Fiber Termini 8 #22 Contacts	2 Fiber Termini 4 #16 Contacts



<b>Size O</b>	<b>Size Q</b>	
<b>OH56</b>	<b>QH106</b>	<b>QH316</b>
5 Fiber Termini 6 #16 Contacts	10 Fiber Termini 6 #16 Contacts	3 Fiber Termini 16 #16 Contacts

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SERIES 70 10K PSI / 700 BAR / 7000 M

# SeaKing™ High-Pressure Subsea Connectors, Cables, and PBOF Assemblies



## Contact arrangements and specifications

Consult factory for custom insert arrangements including a wide range of shielded RF microwave and high frequency contact configurations

All high-density signal and standard-density power contact arrangements are available across the complete range of connector styles (CCP, FCR, and BCR). High-speed Ethernet inserts as well as Pressure Balanced Oil Filled (PBOF) configurations and a purpose-designed family of pressure caps, accessories and backshells are also available, please consult the factory.

SeaKing™ bulkhead connector receptacles (BCR) and flange connector receptacles (FCR) are equipped with high-pressure glass-to-metal sealed inserts with solder contact wire termination and 10K psi open-face rating. Cable connector plugs (CCP) utilize environmental O-ring sealed inserts and are rated to 10K psi in the mated condition.

Contact Arrangement Table							
Shell Size	Contact Size						
	#22	#20	#16	#12	#8	Fiber Optic	Hybrid
E	4		1			1	
G	10	8	3				1 Coax (only)
K	19	14	4			2	1 Coax • 6 #22 8 #22 • 2 #16 1 F/O • 2 #16
L			9			3	12 #22 • 2 #12 8 #22 • 2 #16 2 F/O • 8 #22
M	37	26	12	5		4	2 F/O • 4 #16
O	61	44	19			8	6 #16 • 9 #20 • 34 #22 5 F/O • 6 #16
P				15	4 (1kV)	12	4 #8 • 2 #16 • 10 #22
Q	109	69	30				10 F/O • 6 #16 3 F/O • 16 #16
R	131						

Current Rating (Amps)		
Contact Size	GRE Molded Inserts	Glass-to-Metal Sealed Inserts
#22	5 Amps	3 Amps
#20	7.5 Amps	5 Amps
#16	13 Amps	10 Amps
#12	23 Amps	17 Amps
#8	50 Amps	35 Amps

All contact arrangements are rated for 600 VDC / 400 VAC unless otherwise specified.  
Solder cups are sized to accept maximum wire gauge according to the contact size

SeaKing™ Performance Specifications		
Pressure Rating	Plug: 10,000 psi, mated condition Receptacles: 10,000 psi mated and open face	per ISO 13628-6
Electrical	600 V typical 5 GOhm insulation resistance at 500 VDC	per MIL-STD-202, Method 301 per MIL-STD-202, Method 302
Materials	Salt Spray (corrosion) Humidity (steady state) Thermal Cycle	MIL-STD-202, Method 101 MIL-STD-202, Method 103 ISO 13628-6

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