

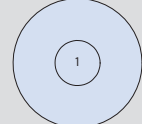
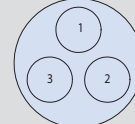
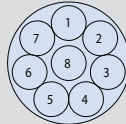
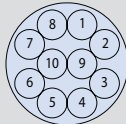
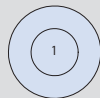


SERIES 70 10K PSI / 700 BAR / 7000 M SeaKing™ High-Pressure Subsea Connectors, Cables, and PBOF Assemblies

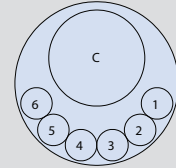
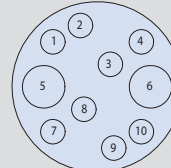
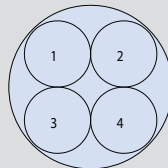
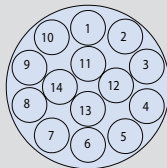
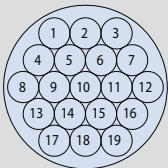
Contact arrangements and specifications



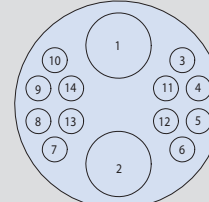
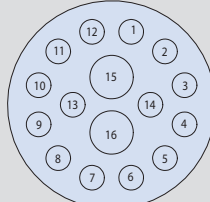
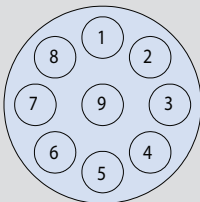
SEAKING™ CONTACT ARRANGEMENTS Mating face view of pin insert (socket insert IDs are reversed)



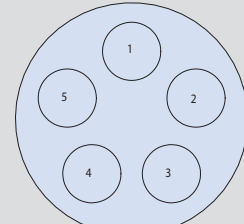
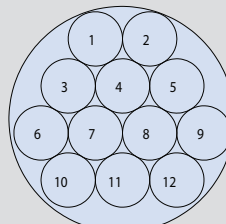
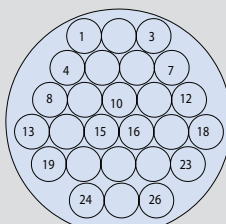
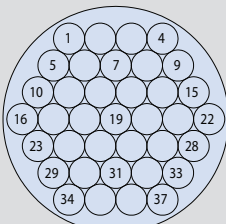
Size E		Size G			
E4	E1	G10	G8	G3	GC
4 Size #22 Contacts	1 Size #16 Contact	10 Size #22 Contacts	8 Size #20 Contacts	3 #16 Contacts	1 Coax Contact



Size K				
K19	K14	K4	KX10	KC6
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		
L9	LX16	LX14
9 Size #16 Contacts	14 #22 Contacts, 2 #16 Contacts	2 #12 Contacts, 12 #22 Contacts



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

SUBSEA/DEEPWATER: SEAKING™





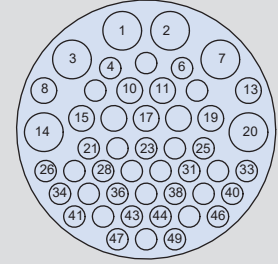
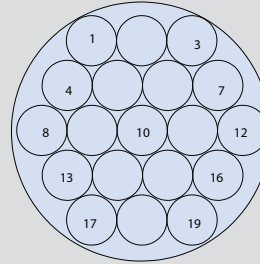
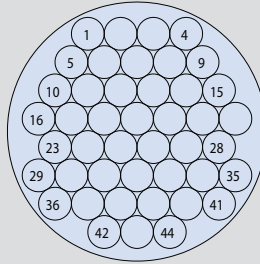
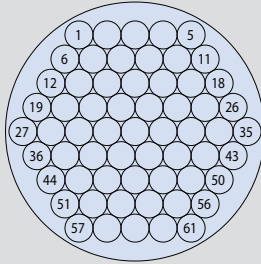
SERIES 70 10K PSI / 700 BAR / 7000 M

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

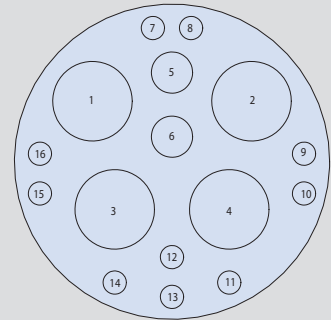
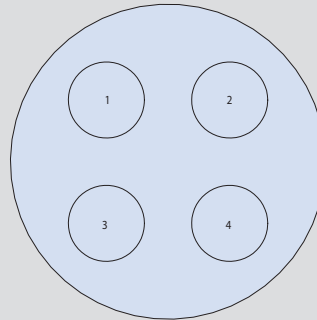
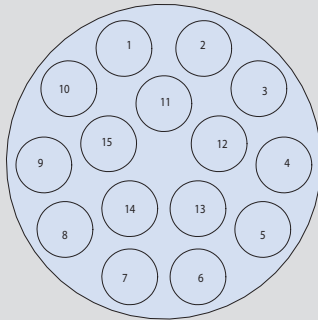
44 Size #20
Contacts

O19

19 Size #16
Contacts

OX49

49 Contacts
6 #16 • 9 #20 • 34 #22



Size P

P15

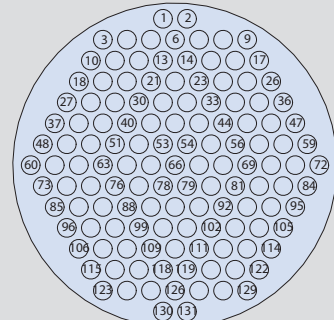
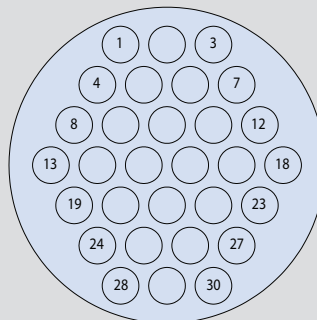
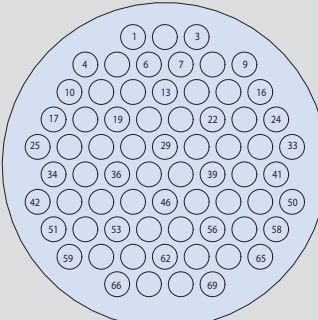
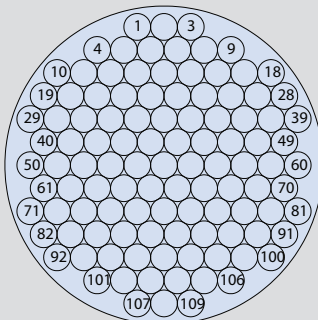
15 Size #12
Contacts

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

SUBSEA/DEEPWATER: SEAKING™





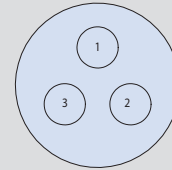
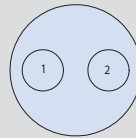
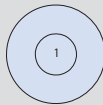
SERIES 70 10K PSI / 700 BAR / 7000 M

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

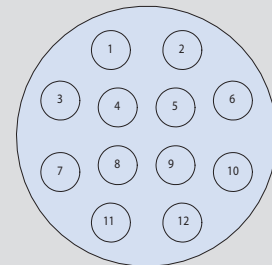
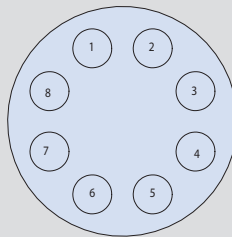
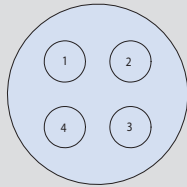


Contact arrangements and specifications

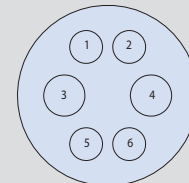
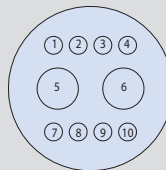
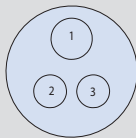
SEAKING™ FIBER OPTIC AND HYBRID FIBER-ELECTRICAL ARRANGEMENTS Mating face view of pin insert (socket insert IDs are reversed)



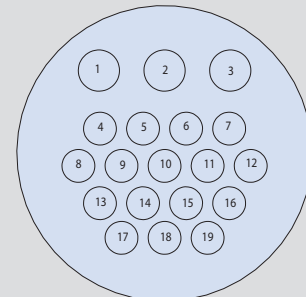
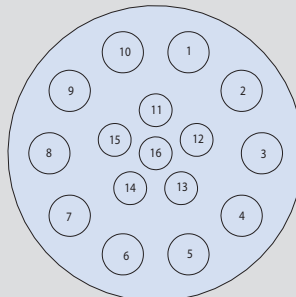
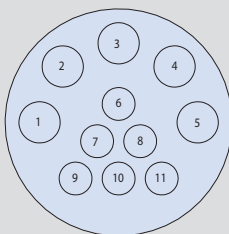
Size E	Size K	Size L
EF1	KF2	LF3
1 Fiber Termini	2 Fiber Termini	3 Fiber Termini



Size M	Size O	Size P
MF4	OF8	PF12
4 Fiber Termini	8 Fiber Termini	12 Fiber Termini



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



Size O	Size Q	
OH56	QH106	QH316
5 Fiber Termini 6 #16 Contacts	10 Fiber Termini 6 #16 Contacts	3 Fiber Termini 16 #16 Contacts

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

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

SUBSEA/DEEPWATER: SEAKING™

