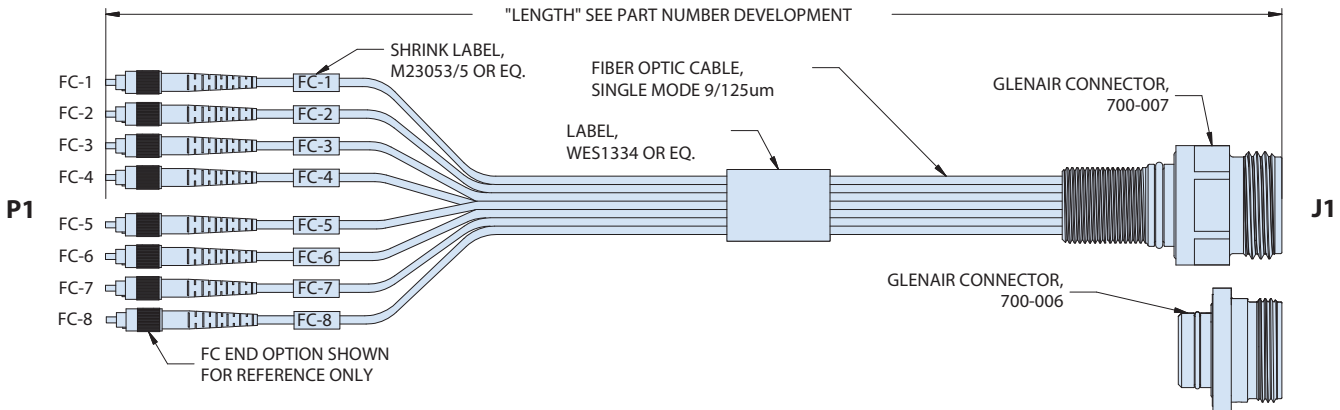


**FA09649 SeaKing Fiber Optic
 BCR or FCR Receptacle Breakout assembly**

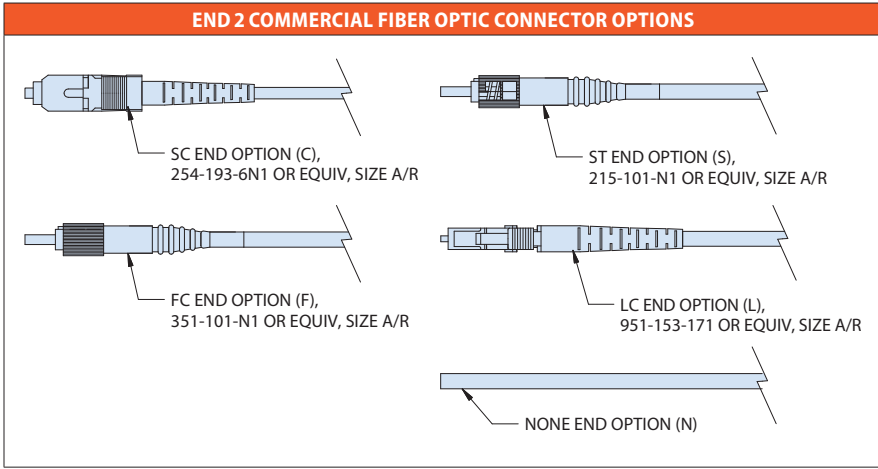
NAVSEA / Underwater Fiber Optics

HOW TO ORDER	
Sample Part Number	FA09649 -B F Z1 -0F8 N -XXXX C
Basic Number	SeaKing Fiber Optic receptacle breakout assembly
J1 Option	B = BCR F = FCR
P1 Option	C = SC Leads F = FC Leads L = LC Leads N = None S = ST Leads
Shell Material	TC = Titanium Z1 = 316 Stainless Steel
Insert Arrangement	See Insert Arrangements tables Insert Body Material: 316 SST
Key Arrangement	A, B, or C ; N = normal,
Length	In inches (See Standard Tolerance Table)
Pressure Cap Option	C = Provided With Pressure Caps N = No Pressure Caps



NOTES

- Optical performance: insertion loss shall be <1.0dB when measured @ 1310nm wavelength. Insertion loss can be measured at 1550nm upon customer request.
- Unit pack: 1 EA. In a bag and/or cardboard box, label package IAW illustration.
- Mark reference designators as shown. Reference designator number shall match the contact number.
- See drawing 700-006 and 700-007 for connector dimensions, materials, and finishes.
- Wiring for each arrangement is one to one.



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FIBER OPTIC-ONLY INSERT ARRANGEMENTS

Shell Size	E	K	L	M	O	P
Insert Arrangement	EF1	KF2	LF3	MF4	OF8	PF12
No. of F/O Termini	1 FO	2 FO	3 FO	4 FO	8 FO	12 FO

Face view of receptacle insert. Contact arrangements of plug inserts are reverse. Insert body 316 SST.

HYBRID COPPER-FIBER INSERT ARRANGEMENTS

Shell Size	K	L	M	O	Q	Q
Insert Arrangement	KH12	LH28	MH24	OH56	QH106	QH316
No. of F/O Termini	1 FO	2 FO	2 FO	5 FO	10 FO	3 FO
No. of Contacts	2 #16	8 #22	4 #16	6 #16	6 #16	16 #16

Face view of receptacle insert. Contact arrangements of plug inserts are reverse. Insert body 316 SST.

ELECTRICAL CONTACT SPECIFICATIONS

Contact Size	#22	#16
Amps	3	10
Wire Gage Accommodation	22	16

All contact arrangements are rated for 600 volts. Wiring 1-to-1.

STANDARD-TOLERANCE

Length	Tolerance
Up to 24 In	+1 In -0
24 Up to 120 In	+3 In -0
120 Up to 600 In	+6 In -0
600 Up to 1200 In	+12 In -0
1200 In and Up	+24 In -0

Alternate Keyway Positions

	Key Rotation		
	Key Position	A°	B°
	Normal (N)	150°	210°
	A	75°	210°
	B	95°	230°
C	140°	275°	