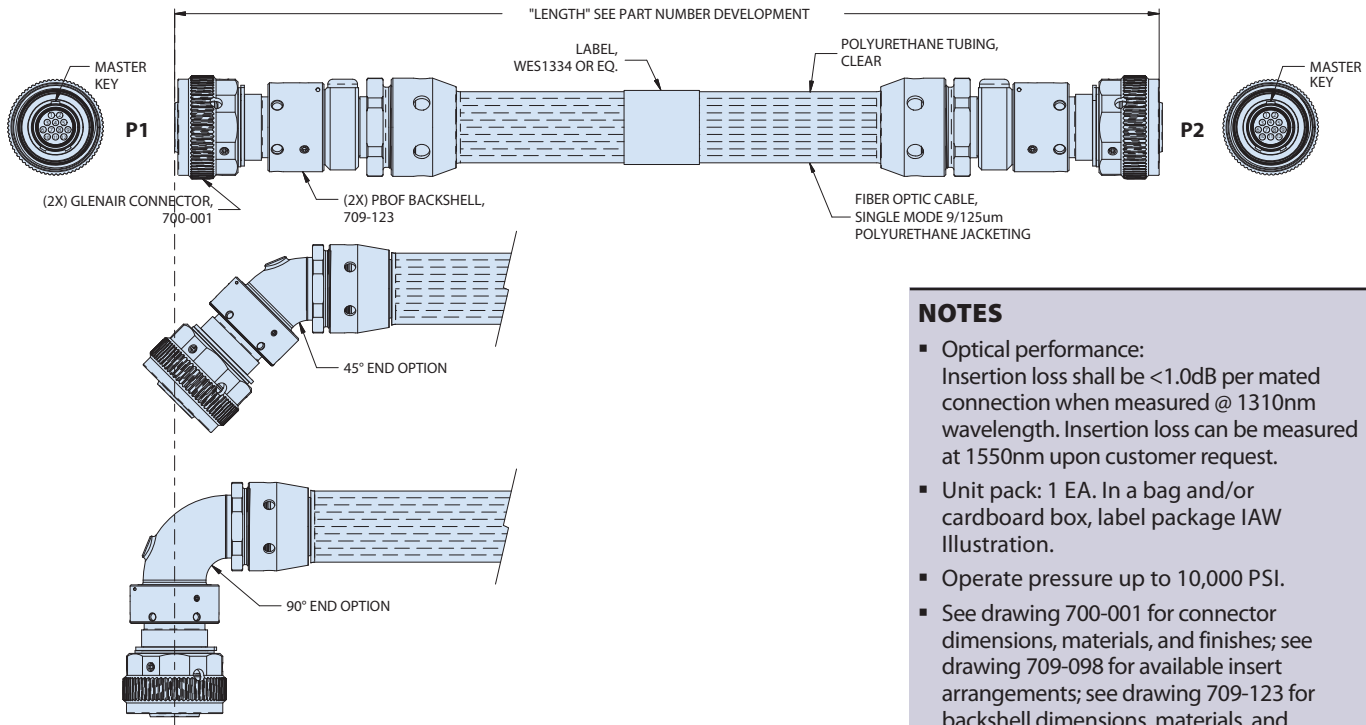


FA09650 SeaKing Fiber Optic
 PBOF point-to-point assembly with straight, 45°, and 90° options

NAVSEA / Underwater Fiber Optics

		HOW TO ORDER													
Sample Part Number	FA09650	-MF4	-Z1	-N	L	1	S	-N	L	1	S	-XXXX	C		
Basic Number	SeaKing Fiber Optic PBOF point-to-point assembly														
Shell Size & Insert Arrangements	See Insert Arrangements Table														
Shell Material	Z1 = 316 Stainless Steel (Consult Factory For Titanium Or Peek Options)														
P1 Connector Key Arrangements	(N, A, B, C)														
P1 Backshell Style	L = Straight M = 45 Degree N = 90 Degree														
P1 Fill Port Option	0 = No 1 = Yes														
P1 Swivel/Fixed Option	F = Fixed S = Swivel														
P2 Connector Key Arrangements	(N, A, B, C)														
P2 Backshell Style	L = Straight M = 45 Degree N = 90 Degree														
P2 Fill Port Option	0 = No 1 = Yes														
P2 Swivel/Fixed Option	F = Fixed S = Swivel														
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 per mated connection 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.
 - Operate pressure up to 10,000 PSI.
 - See drawing 700-001 for connector dimensions, materials, and finishes; see drawing 709-098 for available insert arrangements; see drawing 709-123 for backshell 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°	