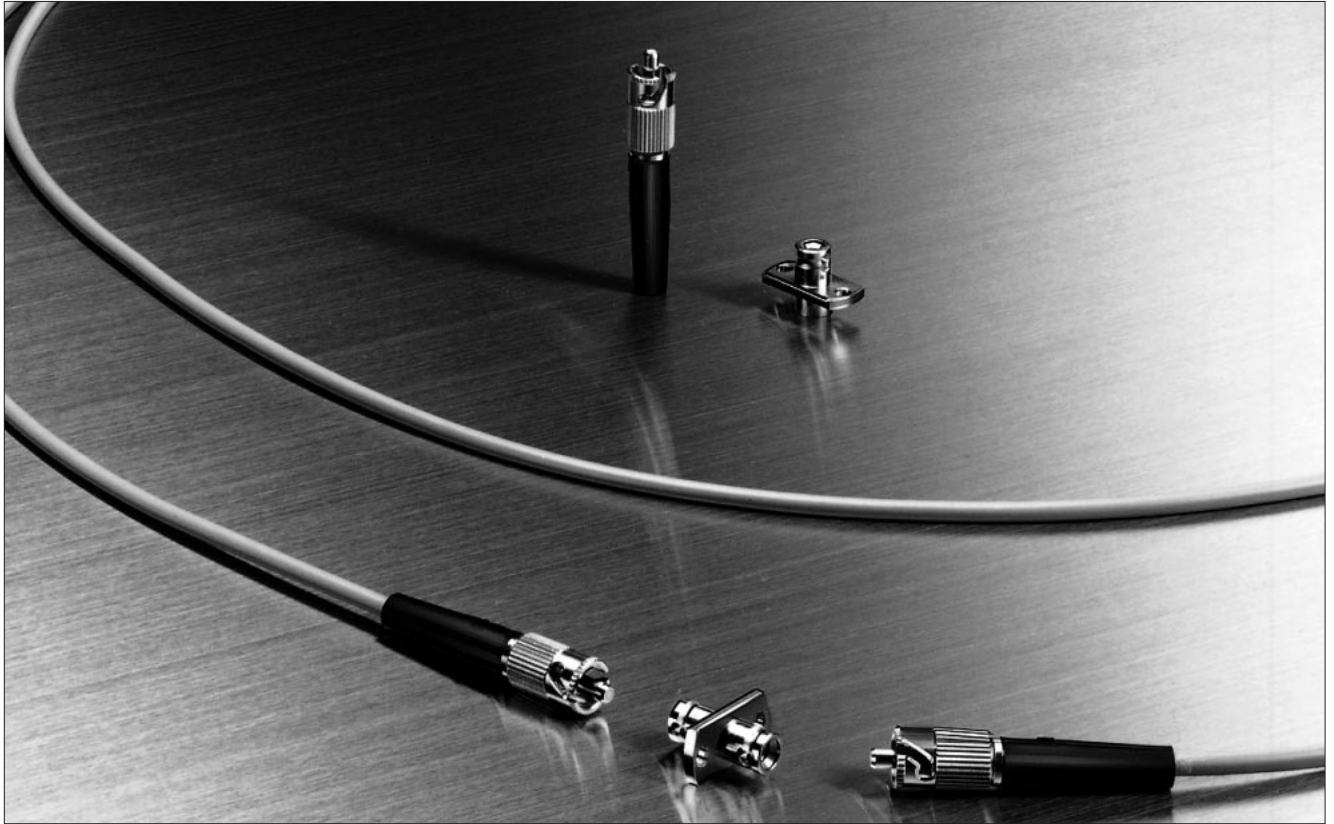


Mini-BNC Optical Fiber Connectors

OMB Series



■ Features

1. JIS C 5978 Standard Compliant

These connectors are compliant with JIS C 5978 (F09-type simplex optical fiber connectors) and are also compatible with Mini-BNC optical fiber connectors manufactured by Sumitomo Electric Industries, Ltd.

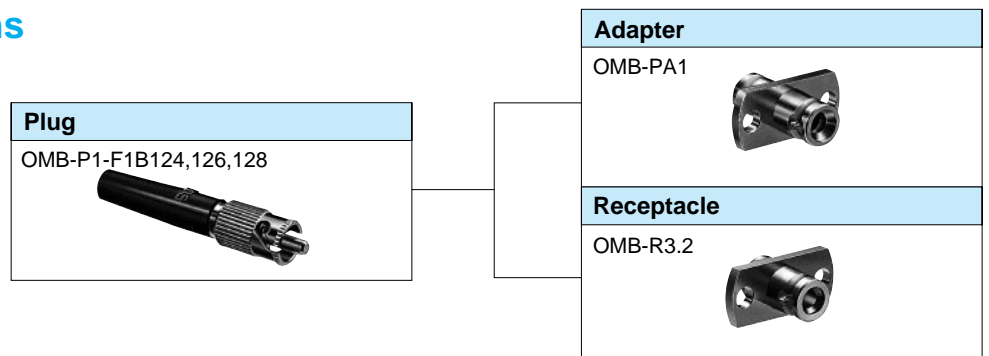
2. Bayonet Lock for Superb Coupling/Decoupling Operation

These connectors have a simple fastening system and use a bayonet lock for the fastening mechanism. The coupling/decoupling operation is easy and secure which makes these connectors suitable for places where there will be many cycles of coupling/decoupling and for equipment requiring high-density mounting.

■ Applications

Optical fiber short-link systems, transfer systems within equipment, measuring instruments, etc.

■ Function Diagrams



■ Product Standards

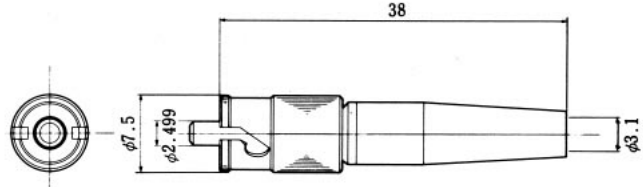
Rating	Operating temperature range	-25°C~70°C	Storage temperature range	-25°C~70°C
--------	-----------------------------	------------	---------------------------	------------

	Item	Test Method (JIS C 5961)	Standard
	Insertion loss	1,300nm wavelength (LED)	0.7 dB or less
Mechanical Performance	Repetitive operation	1,000 times	1) Insertion loss fluctuation after test: 0.2 dB or less 2) No damage, cracks, or part looseness
	Vibration resistance	Vibration range of 10 to 55 Hz, in 3 directions, 3 hours each	
	Shock resistance	Acceleration of 981 m/s ² , in both directions along 3 axes, 3 times each (Total of 18 times)	
Environmental performance	Temperature cycle	Temperature -25°C to 70°C 10 cycles	
	Heat resistance	Leave for 960 hours at a temperature of 85°C	
	Cold resistance	Leave for 960 hours at a temperature of -25°C	

■ Materials and Processing

Part Name	Material	Processing
Plug housing	Brass	Nickel plating
Coil spring	Stainless steel	
Ferrule	Stainless steel + Alumina	
Adapter housing	Brass	Nickel plating
Precision spring	Stainless steel	
Receptacle housing	Brass	Nickel plating

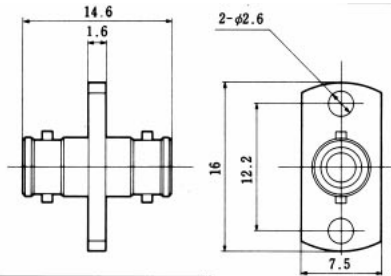
Plugs



HRS No.	Product Number	Suitable Cable Diameter	Suitable Optical Fiber
CL708-0001-1	OMB-P1-F1B124	ø3mm	GI-50/125
CL708-0002-4	OMB-P1-F1B126		
CL708-0003-7	OMB-P1-F1B128		

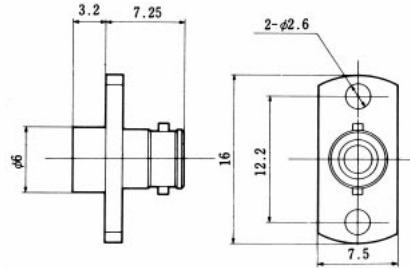
NOTE : The three-digit number at the end of the Product Number indicates the inside diameter dimension (in μm units) of the ferrule.
Please match the fiber diameter in making a selection.

Adapter



HRS No.	Product Number
CL708-0004-0	OMB-PA-1

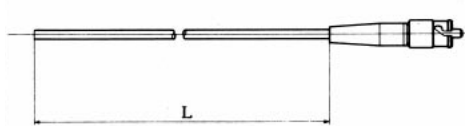
Receptacle



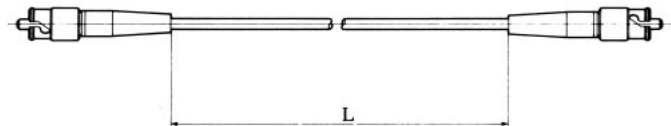
HRS No.	Product Number	Suitable Element Size
CL708-0005-2	OMB-R3.2	TO-18

Connectors with Cable Attached

OMB-FP1-F1B-L (One end)



OMB-FP2-F1B-L (Both ends)



Product Number	Connector Mounting End	Optical Fiber	Type of Polishing	Cable Diameter
OMB-FP2-F1B-L	Both ends	GI-50/125	Flat	ø3mm
OMB-FP1-F1B-L	One end			

NOTE : The "L" within the Product Number indicates the length of the cable illustrated in the diagram. Please specify values in meter units.