

# Cable Connector Options

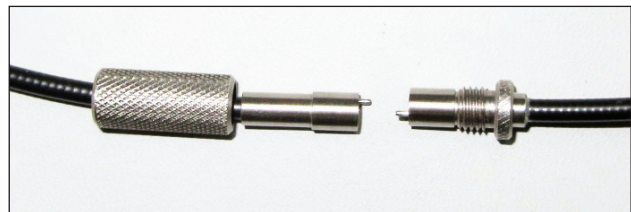
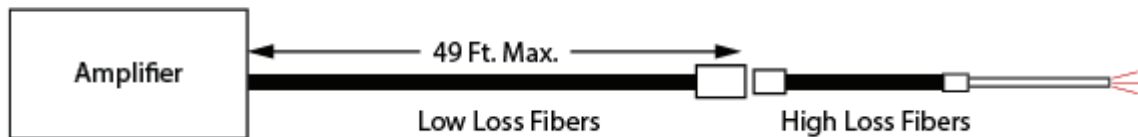
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## Advantages of Connectors

- Easy Replacement of Damaged Tips
- Use of Alternate Tips
- Disconnect from Sensor Electronics
- Longer Cable Lengths

## Option B ... Standard In-Line Connector

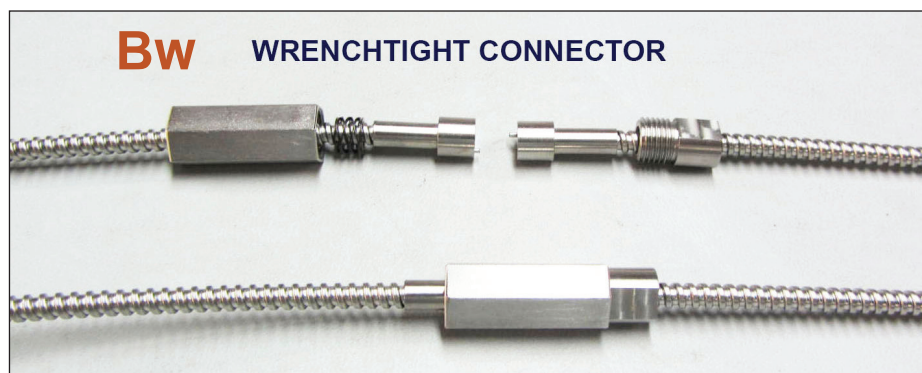
'Standard' in-line connectors include alignment pins and a knurled finger-tight connection.



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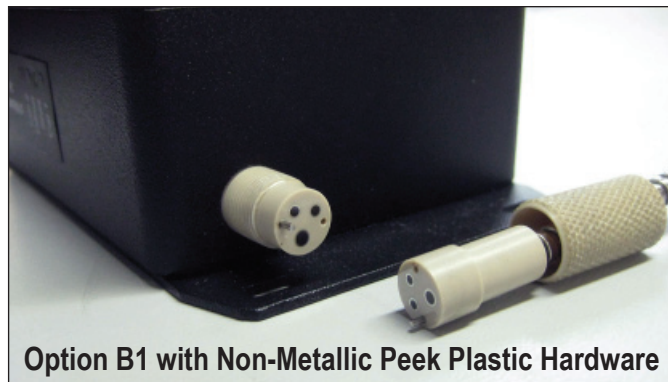
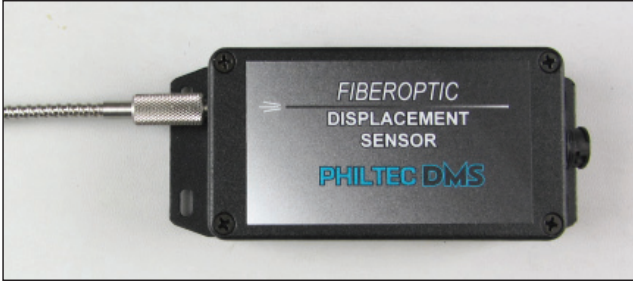
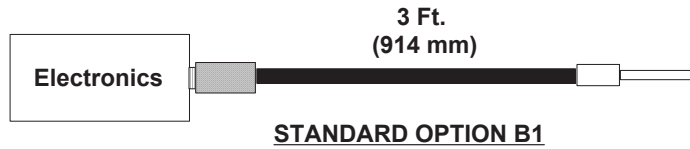
## Option Bw ... Wrench Tight Connector

For 'High Vibration' applications, the in-line connector includes alignment pins and a wave spring washer in a wrench-tight connection.



## Option B1 ... Bulkhead Connectors

Bulkhead mounted connectors allow for removal of the entire fiberoptic cable from the signal conditioner. These are provided by specifying **Option B1**.



### NOTE:

Tradeoffs to consider with connectorized fiberoptics are reductions in sensor bandwidth capability and slightly elevated noise ripple (2x to 3x higher than normal). The factory should be consulted to determine the suitability of connectorization for demanding applications.

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*Fiberoptic Sensors for the Measurement of Distance, Displacement and Vibration*

# Connectorized Sensor Systems

Philtec Fiber Optic sensors can make displacement measurements inside of mechanisms, machinery and vacuum chambers. To gain access to the measurement locations, Fiber Optic cables may be connectorized for the probe tips to be separated from the electronics. In some complex applications, more than one joint may be required for the installation and removal of the sensor systems. Sensor configurations with as many as four parts that have been made and are available for some of Philtec's products. Contact our application engineering team to see if one of these systems can work for you...sales@philtec.com

## SENSOR CONFIGURATIONS

