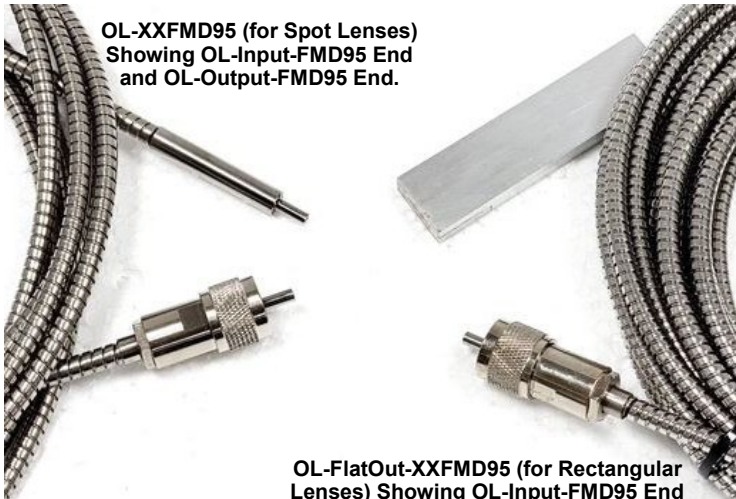




OL-XXFMD95 (for Spot Lenses)
Showing OL-Input-FMD95 End
and OL-Output-FMD95 End.

OL-FlatOut-XXFMD95 (for Rectangular
Lenses) Showing OL-Input-FMD95 End
and OL-Flat-Output-FMD95 End.

- **Armored Stainless Steel Outer Sheath**
- **Ambient temperature rating of 300°C & 400°C .**
- **Standard Lengths: 3, 5, and 10 Meters.**
- **Available in two formats:**
 - **OL-XXFMD95 for use with Spot Lenses**
 - **OL-Flat-Out-XXFMD95 for use with MSE-OH.03.X.FMD95-X Rectangular Lenses.**
- **Suitable for use with old Moduloc device types: MD9100, MD95100, and MD4000**

General Description

The Moduloc Fiber Optic Lead (Cables) are used in conjunction with lenses to collect the light energy from the infrared radiation emitted by hot product or an IR Light source and transmits the light energy to an IR Detector. All fiber optic leads are constructed with the highest quality glass bundles thereby assuring optimum IR transmission to the IR Detector. The Moduloc Fiber Optic Leads utilize a flexible stainless steel sheathed jacket designed to withstand severe environmental abuse.

The Moduloc Fiber Optic Lead (Cables) are available in two formats. The OL-XXFMD95 Fiber Optic Lead is used with all Moduloc MSE-OH.01.FMD95, MSE-OH.02.FMD95, and MSE-OH.07.FMD95 Optic Heads with Tubular Spot Optic Lenses, and all of the Moduloc old style tubular spot lenses. The OL-XXFMD95 Fiber Optic Lead is rated to 400°C (752°F). The Moduloc OL-FlatOut-XXFMD95 Fiber Optic Lead is used with all Moduloc MSE-OH.03.FMD95 Optic Heads with Rectangular Lenses and all of the Moduloc Old Style FR Slit Rectangular Lenses. The OL-XXFMD95 Fiber Optic Lead is rated to 300°C (752°F).

The Moduloc Fiber Optic Leads are available in standard lengths of 3, 5 and 10 meters to suit each particular application. To specify the length desired, replace the XX in Item No. OL-XXFMD95 or Item No. OL-FlatOut-XXFMD95 with your required length of either 03, 05 or 10 meters.

Moduloc can supply the specific length of fiber optic cable you need for your installation. However with especially long cables, you need to consider the light/energy loss in the optical cable. For each additional meter of fiber optic cable over a total 3 meter length, the effective trip level of the utilized IR Detector will be reduced 30°C (85°F).



OL-Input-FMD95 End



OL-Output-FMD95 End

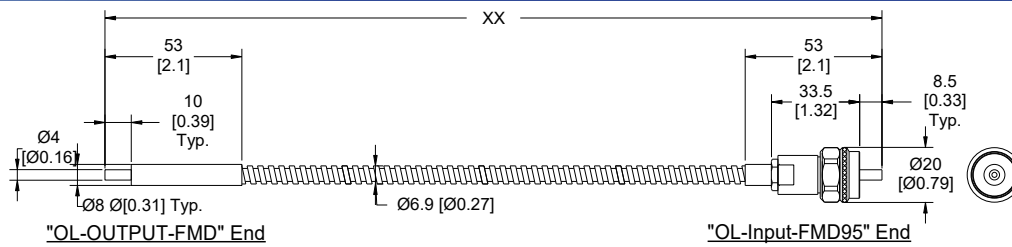


OL-Flat-Output-FMD95 End

The OL-XXFMD95 Fiber Optic Lead consists of a OL-Input-FMD95 End, a OL-Output-FMD95 End, and a XX Length of Fiber Optic Cable with Armored Stainless Steel Outer Sheath. The OL-Input-FMD95 End is inserted into either the Moduloc MSE-OH.01.FMD95, MSE-OH.02.FMD95, or the MSE-OH.07.FMD95 Optic Heads which has a Tubular Spot Optic Lens. The OL-Input-FMD95 End screws into the any of the MSE-FMD95 Hot Metal Detector Signal Process Controllers.

The OL-Flat-Out-XXFMD95 Fiber Optic Lead consists of a OL-Input-FMD95 End, a OL-Flat-Output-FMD95 End, and a XX Length of Fiber Optic Cable with Armored Stainless Steel Outer Sheath. The OL-Input-FMD95 End is inserted into the Moduloc MSE-OH.03.X.FMD95-X Optic Heads which has a Rectangular Optic Lens. The OL-Input-FMD95 End screws into any of the MSE-FMD95 Hot Metal Detector Signal Process Controllers.

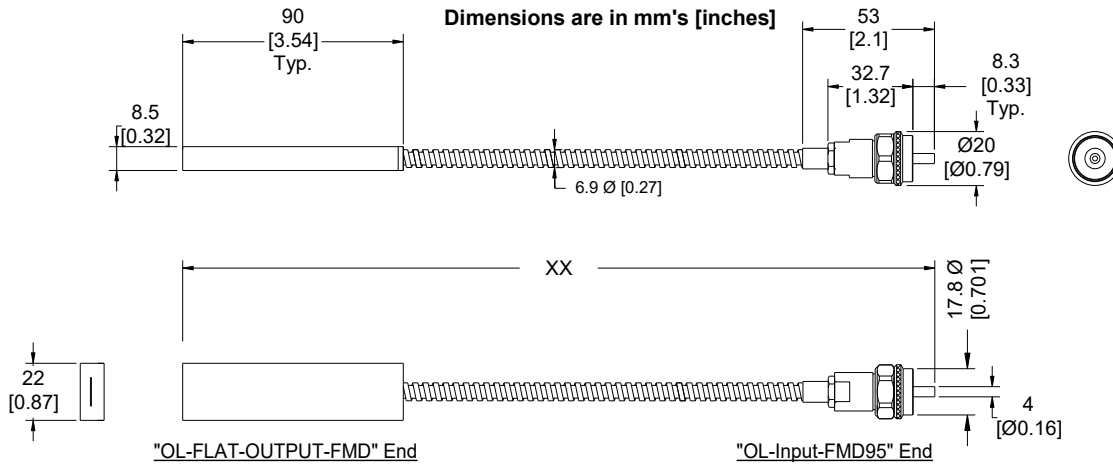
OL-XXFMD95 Dimensions



OL-XXFMD95 Fiber Optic Leads (Cable) - XX = Meter Lengths of 3m, 5m and 10m.

For use with all MSE-OH.01.FMD95, MSE-OH.02.FMD95, and MSE-OH.02.FMD95 Optic Heads with Tubular Spot Optic Lenses. These Optic Leads are direct replacements for Moduloc LG-XX-AB and LGH-XX-AB and can be used with old Moduloc Tubular Spot Lenses: Type Q1, H1, H2, H4, & H7 and for use with old Moduloc Type SR2 Rectangular Lens.

OL-FlatOut-XXFMD95 Dimensions



OL-FlatOut-XX-FMD95 Fiber Optic Lead (Cable) - XX = XX = Meter Lengths of 3m, 5m and 10m.

For use with all Type MSE-OH.03.X.FMD95-X Optic Heads with Rectangular Optic Lenses:

These Optic Leads are direct replacement for old Moduloc LG-XX-CB and LGH-XX-CB Fish Tail Fiber Optic Cable and can be used with old Moduloc Rectangular Slit Lens: Type FR0, FR1 and FR2.

General Specifications

Housing:	Stainless Steel/self-supporting gooseneck construction
End Fittings:	OL-Input-FMD95 End: Stainless Steel; OL-Output-FMD95 End: Stainless Steel; OL-Flat-Output-FMD95 End: Aluminum
Fiber Optic:	Bundled multistrand glass (silica) fiber
Watertight Rating:	IP66, NEMA 3, 4, 12, 13
Vibration Rating:	Better than DIN 89011, Cat. 2; IEC 68-2-6, IEC 68-2-27
Shock:	<30g for <11 ms (all 3 planes)
Vibration:	<55 Hz - 1 mm amplitude (all 3 planes)
Characteristics:	Resistant to crushing loads and kinks
Operating Temperature Range:	OL-XXFMD95: -10°C (+15°F) to +400°C (+752°F); OL-FlatOut-XX-FMD95: -10°C (+15°F) to +300°C (+572°F)
Minimum Bend Radius:	50 mm (1.97 IN)

MODULOC SENSOR ENTERPRISES
MSE

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We reserve the right to alter specifications without prior notice. Specifications without tolerances are typical values.

Your Local Sales Contact:

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Data Sheet MSE-Fiber-Optic-Leads NA-26-04 April 2026