

## Glass & Plastic FO

### Fiber Optic Cables

#### Features

- Wide variety of sensing tips
- Glass or plastic fiber optic core
- Transmitted beam and bifurcated cables
- PVC or stainless steel sheathing



#### Product Selection



#### Fiber optic cables for use with these large aperture sensors:



Series 9000  
42GxF-900x



RightSight  
42EF-G1xxA



MiniSight  
42KL-G1xxx

#### Glass Fiber Optic Cables

Sensing Tip Description	Sensing Tip Material	Fiber Bundle Diameter [mm (in.)]	Sheathing Material	Nom. Sen. Ref. [mm (in.)]	Cat. No.
<b>Bifurcated Cables for Large Aperture Sensors [4.6 mm/0.187 in.]*</b>					
Threaded 5/16 in. straight tip	Brass	—	PVC	120 (4.75)	43GR-TBB25ML
			Stainless steel		43GR-TBB25SL
Right angle tip with 5/16 in. x 24 thread	Stainless steel	—	PVC	120 (4.75)	43GR-TMS25ML
	Brass/Stainless steel		Stainless steel		43GR-TMC25SL
Ferrule (smooth) right angle tip	Stainless steel	—	PVC	120 (4.75)	43GR-FIS25ML
			Stainless steel		43GR-FIS25SL
<b>Transmitted Beam Cables for Large Aperture Sensors [4.6 mm/0.187 in.]‡</b>					
Threaded 5/16 in. straight tip	Brass	—	PVC	508 (20)	43GT-TBB25ML
			Stainless steel		43GT-TBB25SL
Threaded 5/16 in. with right angle tip	Brass	—	PVC	508 (20)	43GT-TQS25ML
			Stainless steel		43GT-TQS25SL
Right angle tip with 5/16 in. x 24 thread	Stainless steel	—	PVC	508 (20)	43GT-TMS25ML
	Brass/Stainless steel		Stainless steel		43GT-TMC25SL
Ferrule (smooth) right angle tip	Stainless steel	—	PVC	508 (20)	43GT-FIS25ML
			Stainless steel		43GT-FIS25SL

**Note:** The standard length for glass fiber optic cables is 0.91 m (36 in.) from tip to tip.

\* Bifurcated cables can be used for diffuse or retroreflective applications.

‡ Two glass transmitted beam fiber optic cables are required for each sensor.

## Fiber optic cables for use with these small aperture sensors:



45FVL-xxxx  
45FSL-xxxx



Series 9000  
42G\*F-910x



MiniSight  
42KL-L2xxx

### Glass Fiber Optic Cables

Sensing Tip Description	Sensing Tip Material	Fiber Bundle Diameter [mm (in.)]	Sheathing Material	Nom. Sen. Ref. [mm (in.)]	Cat. No.
<b>Bifurcated Cables for Small Aperture Sensors [2.2 mm/0.09 in.]*</b>					
Threaded M6 x 1 straight tip	Brass	2.2 (0.09)	Stainless steel	63 (2.5)	<a href="#">43GR-TAB20SS</a>
<b>Transmitted Beam Cables for Small Aperture Sensors [2.2 mm/0.09 in.]‡</b>					
Threaded M6 x 1 straight tip	Brass	1.6 (0.062)	Stainless steel	215 (8.5)	<a href="#">43GT-TAB15SS</a>
Right angle tip with M6 x 0.75 thread	Stainless steel	1.2 (0.046)	Stainless steel	203 (8.0)	<a href="#">43GT-TIS10SS</a>
Threaded M4 x 0.7 with right angle tip	Stainless steel	1.2 (0.046)	Stainless steel	203 (8.0)	<a href="#">43GT-TDS10SS</a>

**Note:** The standard length for glass fiber optic cables is 0.91 m (36 in.) from tip to tip.

### Plastic Fiber Optic Cables

Sensing Tip Description	Sensing Tip Material	Fiber Bundle Diameter [mm (in.)]	Sheathing Material	Nom. Sen. Ref. [mm (in.)]	Cat. No.
<b>Bifurcated Cables for Small Aperture Sensors [2.2 mm/0.09 in.]*</b>					
Threaded M6 x 0.75 straight tip	Stainless steel	2 x 1 (0.04)	Polyethylene	40 (1.6)	<a href="#">43PR-NES57ZS</a>
Threaded M6 x 0.75 with 90 mm (3.5 in.) bendable probe	Stainless steel	2 x 1 (0.04)	Polyethylene	40 (1.6)	<a href="#">43PR-PIS57ZS</a>
Fork TB tip with 11.9 mm (0.27 in.) gap	Plastic	1 (0.04)	Polyethylene	12 (0.5)	<a href="#">43PR-UAA56MS</a>
<b>Transmitted Beam Cables for Small Aperture Sensors [2.2 mm/0.09 in.]§</b>					
Threaded M4 x 0.70 straight tip	Stainless steel	1.5 (0.06)	Polyethylene	230 (9.0)	<a href="#">43PT-NAS58FS</a>
Threaded M5 x 0.8 tip with side-view	Stainless steel	1 (0.04)	Polyethylene	230 (9.0)	<a href="#">43PT-SAS56FS</a>
Ferrule (smooth) straight 3 mm tip	Stainless steel	1 (0.04)	Polyethylene	230 (9.0)	<a href="#">43PT-CBS56FS</a>

**Note:** The standard length for plastic fiber optic cables is 2 m (6.5 ft) from tip to tip. Cables can be cut to shorter lengths.

\* Bifurcated cables can be used for diffuse or retroreflective applications.

‡ Two glass transmitted beam fiber optic cables are required for each sensor.

§ Plastic transmitted beam fiber optic cables are shipped in pairs.