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## 30126G2-450 - SEP 13, 2017

Item # 30126G2-450 was discontinued on September 13, 2017. For informational purposes, this is a copy of the website content at that time and is valid only for the stated product.

### FC/PC FIBER CONNECTORS: MULTIMODE, STAINLESS STEEL FERRULE

- ▶ Large Selection of Bore Sizes to Accommodate Fibers with Claddings Between Ø125 and Ø1580 µm
- ▶ Stainless Steel Ferrules and 2.0 mm Narrow Keys

**Application Idea**  
 301050G3 Connector Shown Used in a Patch Cable



**30126G2-250**  
 Connector with Ø250 µm Bore Size

**CAPF**

**190066CP**

Additional Strain Relief Boots / Crimp Sleeves and Caps can be Purchased Separately

**301050G3**  
 Connector with Ø1050 µm Bore Size

## OVERVIEW

### Features

- FC/PC Connectors with 2.0 mm Narrow Keys
- Stainless Steel Ferrules
- Strain Relief Boot for Ø3 mm Tubing, Crimp Sleeve, and Connector Cap Included
- FC/PC-Compatible Strain Relief Boots for Ø2 mm Tubing and Additional Caps can be Purchased Separately

Thorlabs offers FC/PC connectors with 2.0 mm narrow keys and drilled stainless steel ferrules. These connectors come with bore sizes ranging from Ø125 µm to Ø1580 µm, providing compatibility with various multimode fibers. Each connector package includes a fiber connector cap, crimp sleeve, and strain relief boot compatible with Ø3 mm furcation tubing. Strain relief boots for Ø2 mm furcation tubing and additional connector caps can be purchased separately below. We also offer stainless steel sleeves designed for mating connectors to our stainless steel tubing. Please refer to stainless steel tubing and sleeves for more information.

If you need a bore size that is not listed below, please e-mail Tech Support for a quote on custom-drilled connectors.

As an alternative to buying and assembling separate optical fiber, connectors, and furcation tubing, Thorlabs also offers custom pre-built patch cables using the connectors sold on this page. See our Custom Fiber Patch Cable Configurator to place an order.

Fiber Connector Selection Guide	
Single Mode	Multimode
FC/PC	FC/PC (SS Ferrule)
FC/APC	FC/PC (Ceramic Ferrule)
ST/PC	FC/APC
LC/PC	SMA905
SC/PC	ST/PC
	SC/PC
Bare Ferrules	
Bare Fiber Terminator	

**FC/PC Fiber Connectors: Multimode, Stainless Steel Ferrule**

Item #	Style	Bore Diameter	Bore Diameter Tolerance	Ferrule	Included Boot	Crimp Tool
30126G3	2.0 mm Narrow Key FC/PC	125 $\mu\text{m}$	+5/-0 $\mu\text{m}$	$\varnothing$ 2.5 mm, Stainless Steel	$\varnothing$ 3 mm	CT042
30230G3		230 $\mu\text{m}$	+10/-0 $\mu\text{m}$			
30240G3		240 $\mu\text{m}$	+10/-0 $\mu\text{m}$			
30126G2-250		250 $\mu\text{m}$	+10/-4 $\mu\text{m}$			
30260G3		260 $\mu\text{m}$	+10/-0 $\mu\text{m}$			
30126G2-270		270 $\mu\text{m}$	+10/-4 $\mu\text{m}$			
30126G2-340		340 $\mu\text{m}$	+10/-4 $\mu\text{m}$			
30126G2-440		440 $\mu\text{m}$	+10/-4 $\mu\text{m}$			
30126G2-450		450 $\mu\text{m}$	+10/-4 $\mu\text{m}$			
30500G3		500 $\mu\text{m}$	+10/-0 $\mu\text{m}$			
30640G3		640 $\mu\text{m}$	+10/-0 $\mu\text{m}$			
30670G3		670 $\mu\text{m}$	+10/-0 $\mu\text{m}$			
30126G2-850		850 $\mu\text{m}$	+30/-10 $\mu\text{m}$			
301050G3		1050 $\mu\text{m}$	+10/-10 $\mu\text{m}$			
30126G2-1270		1270 $\mu\text{m}$	+30/-10 $\mu\text{m}$			
30126G2-1580		1580 $\mu\text{m}$	+30/-10 $\mu\text{m}$			

Part Number	Description	Price	Availability
30126G3	NEW! FC/PC Multimode Connector, $\varnothing$ 125 $\mu\text{m}$ Bore, SS Ferrule	\$9.35	Today
30230G3	NEW! FC/PC Multimode Connector, $\varnothing$ 230 $\mu\text{m}$ Bore, SS Ferrule	\$10.20	Lead Time
30240G3	NEW! FC/PC Multimode Connector, $\varnothing$ 240 $\mu\text{m}$ Bore, SS Ferrule	\$10.20	Today
30126G2-250	FC/PC Multimode Connector, $\varnothing$ 250 $\mu\text{m}$ Bore, SS Ferrule	\$10.20	Today
30260G3	NEW! FC/PC Multimode Connector, $\varnothing$ 260 $\mu\text{m}$ Bore, SS Ferrule	\$10.20	Today
30126G2-270	FC/PC Multimode Connector, $\varnothing$ 270 $\mu\text{m}$ Bore, SS Ferrule	\$10.20	Today
30126G2-340	FC/PC Multimode Connector, $\varnothing$ 340 $\mu\text{m}$ Bore, SS Ferrule	\$10.20	Today
30126G2-440	FC/PC Multimode Connector, $\varnothing$ 440 $\mu\text{m}$ Bore, SS Ferrule	\$10.20	Today
30126G2-450	Customer Inspired!FC/PC Multimode Connector, $\varnothing$ 450 $\mu\text{m}$ Bore, SS Ferrule	\$10.20	Today
30500G3	NEW! FC/PC Multimode Connector, $\varnothing$ 500 $\mu\text{m}$ Bore, SS Ferrule	\$10.20	Today
30640G3	NEW! FC/PC Multimode Connector, $\varnothing$ 640 $\mu\text{m}$ Bore, SS Ferrule	\$10.20	Lead Time
30670G3	NEW! FC/PC Multimode Connector, $\varnothing$ 670 $\mu\text{m}$ Bore, SS Ferrule	\$10.20	Today
30126G2-850	FC/PC Multimode Connector, $\varnothing$ 850 $\mu\text{m}$ Bore, SS Ferrule	\$12.80	Today
301050G3	NEW! FC/PC Multimode Connector, $\varnothing$ 1050 $\mu\text{m}$ Bore, SS Ferrule	\$12.80	Today
30126G2-1270	FC/PC Multimode Connector, $\varnothing$ 1270 $\mu\text{m}$ Bore, SS Ferrule	\$18.80	Today
30126G2-1580	FC/PC Multimode Connector, $\varnothing$ 1580 $\mu\text{m}$ Bore, SS Ferrule	\$18.80	Today

**Strain Relief Boots and Dust Caps**

- ▶ Strain Relief Boots and Crimp Sleeves for  $\varnothing$ 2 mm Tubing (25 Pack)
- ▶ CAPF Dust Cap for  $\varnothing$ 2.5 mm Ferrules (25 Pack)
- ▶ CAPFM Threaded Metal Dust Cap for FC Connectors (4 Pack)

Thorlabs offers strain relief boots and dust caps that can be purchased separately from our fiber connectors. The black strain relief boots sold here include a crimp sleeve and are compatible with FC/PC and FC/APC connectors and  $\varnothing$ 2 mm furcation tubing (our stock connectors do not include a boot compatible with  $\varnothing$ 2 mm tubing).

The CAPF Clear Plastic Dust Caps are for use with all  $\varnothing$ 2.5 mm fiber connector ferrules and FC connectors, and the CAPFM Threaded Nickel-Plated Brass Dust Caps are for use with narrow-key FC connectors. Dirt on the fiber tip can result in permanent damage to the fiber connector, which can increase coupling losses or create undesirable mode structures in the output light. To prevent damaging the connectorized fiber, clean before each use with an appropriate fiber and connector cleaning product and use a fiber connector cap to protect the end face of the connectorized fiber when it is not in use.

Part Number	Description	Price	Availability
190066CP	Black Strain Relief Boots and Crimp Sleeves for Ø2 mm Tubing and FC/PC Connectors, 25 Pack	\$23.30	Today
CAPF	Clear Plastic Dust Caps for Ø2.5 mm Ferrules, 25 Pack	\$6.75	Today
CAPFM	Customer Inspired!Metal Threaded Caps for FC Connectors, 4 Pack	\$7.15	Today

