

56 Sparta Avenue • Newton, New Jersey 07860
 (973) 300-3000 Sales • (973) 300-3600 Fax
 www.thorlabs.com



30126G2-270 - SEP 13, 2017

Item # 30126G2-270 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 μm | +5/-0 μm | \varnothing 2.5 mm, Stainless Steel | \varnothing 3 mm | CT042 |
| 30230G3 | | 230 μm | +10/-0 μm | | | |
| 30240G3 | | 240 μm | +10/-0 μm | | | |
| 30126G2-250 | | 250 μm | +10/-4 μm | | | |
| 30260G3 | | 260 μm | +10/-0 μm | | | |
| 30126G2-270 | | 270 μm | +10/-4 μm | | | |
| 30126G2-340 | | 340 μm | +10/-4 μm | | | |
| 30126G2-440 | | 440 μm | +10/-4 μm | | | |
| 30126G2-450 | | 450 μm | +10/-4 μm | | | |
| 30500G3 | | 500 μm | +10/-0 μm | | | |
| 30640G3 | | 640 μm | +10/-0 μm | | | |
| 30670G3 | | 670 μm | +10/-0 μm | | | |
| 30126G2-850 | | 850 μm | +30/-10 μm | | | |
| 301050G3 | | 1050 μm | +10/-10 μm | | | |
| 30126G2-1270 | | 1270 μm | +30/-10 μm | | | |
| 30126G2-1580 | | 1580 μm | +30/-10 μm | | | |

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

