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## DESCRIPTION

The IF-C-S2/S3 fiber connector is designed specifically for industry standard 1000  $\mu\text{m}$  core plastic communication fiber optic cable with a jacket of 2.2 mm O.D. It provides the versatility required to join and rejoin fiber cable segments accurately and reliably, like standard ferruled fiber connections do. This multi-purpose connector uses the same attachment as the IFO LED and photodetector products, which means quick and easy assembly without the need for fiber ferrules or polishing.

The connector can be used with index-matching gel, for reducing Fresnel reflection losses, or without gel for quick and easy connections. The IF-C-S3 and -S4 models both include a thin electrical nut for attachment in bulkhead and panel mount applications. The IF-C-S4 model has a straight 2.2 mm core which eliminates requirement that the jacket be stripped, making it a direct replacement for the obsolete IF-C-S1. The IF-C-S2 version is for basic fiber connections or splices and does not include a mounting nut.

## APPLICATIONS

- ▶ Equipment Bulkheads
- ▶ Equipment Patch Panels
- ▶ Repairing Damaged Fiber Cables
- ▶ Joining Dissimilar Fiber Cores/Jackets for Specific Design Solutions
- ▶ Utilizing Short Fiber Lengths

## FIBER CABLE

- ◆ Operating Temperature Range: -55° to 100°C
- ◆ Light-Tight Housing Provides Interference-Free Transmission
- ◆ Precision Molded 1000  $\mu\text{m}$  Optical Core/Core Sleeve
- ◆ Non-Permanent Connection
- ◆ Mates with All Standard 1000  $\mu\text{m}$  Core, 2.2 mm Jacketed POF
- ◆ No Internal Optics or Design Required
- ◆ Cinch Nuts Retained on Connector by Snap Fit
- ◆ Double “D” Anti-Rotate Feature
- ◆ Economically Priced
- ◆ Other Fiber Core/Jacket Diameter Options Available As Special Order

## INSTRUCTIONS

1. Cut off the end of the first optical fiber cable with a single-edge razor blade or sharp knife. Try to obtain a precise 90-degree angle (square).
2. Use a stripping tool to remove 3.5 to 4 mm (1/8 to 3/16 inches) of jacket from the end of the fiber.
3. (Optional) Dip the end of the fiber into index-matching gel.
4. Insert the fiber cable through the cinch nut and into the connector until the jacket seats.
5. Screw the cinch nut down to a snug fit, securing the fiber into place.
6. Repeat for second fiber cable.

