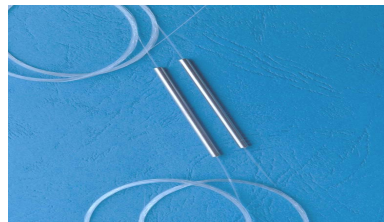


# Compact Fiberoptic Coupler/Splitter 1x4

(patents pending)

## Product Description

The FC Series 1x4 Compact Fiberoptic Splitter is based on Agiltron's fused biconical taper technology and compact packaging structure. It features superior uniformity, low excess, and very low polarization sensitivity. The device is ideal for splitting or combining light with exceptional performance over a wide wavelength range.



## Features

- Wavelength Independent
- Ultra Low Excess Loss
- Low Polarization Sensitivity
- Highly Stable & Reliable
- Ultra Low Cost

## Performance Specifications

| FC Series 1x4 coupler       | Performance                        | Unit  |
|-----------------------------|------------------------------------|-------|
| Center Wavelength           | 1310 or 1550                       | nm    |
| Wavelength Bandwidth        | ± 20                               | nm    |
| Insertion Loss              | < 7.8                              | dB    |
| Uniformity (50/50)          | < 1.2                              | dB    |
| Polarization Dependent Loss | < 0.20                             | dB    |
| Temperature Sensitivity     | < 0.002                            | dB/°C |
| Directivity                 | > 55                               | dB    |
| Return Loss                 | > 55                               | dB    |
| Optical Power Handling      | < 4                                | W     |
| Operating Temperature       | -10~70                             | °C    |
| Storage Temperature         | -40~85                             | °C    |
| Fiber Type and Length       | Corning SMF-28, Length >1          | m     |
| Package Dimension           | 250um&900um fiber:<br>( )3.0x(L)60 | mm    |
|                             | 3mm Cable:                         |       |
|                             | (L)98x(W)14x(H)8.5                 |       |

## Applications

- Telecommunications
- CATV
- LAN
- Instrumentation

# Compact Fiberoptic Coupler/Splitter 1x4

## Ordering Information

| FC-  | <input type="checkbox"/> 4              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>                          | <input type="checkbox"/> 4   | <input type="checkbox"/> | <input type="checkbox"/> |
|------|---|--------------------------|--------------------------|--------------------------|--------------------------|---|--|--------------------------|--------------------------|
| Type | Wavelength                              | Grade                    | Package                  | Coupling Ratio           | Port                     | Fiber Type  | Connector  |                          |                          |
|      | 1310=3<br>1480=4<br>1550=5<br>Special=0 | Premium=1<br>Special=0   | Special=0                | 25/25=9<br>Special=0     |                          | SMF-28 250um=1<br>900um loose tube=3<br>Special=0 | None=1<br>FC/PC=2<br>FC/APC=3<br>SC/PC=4<br>SC/APC=5<br>ST/PC=6<br>LC=7<br>Special=0 |                          |                          |