

## Product Bulletin



JDS Uniphase fiber optic cable assemblies are manufactured and tested to the most rigorous industry standards, and their optical and mechanical performance meets Telcordia and IEC specifications. They are available in most fiber and cable styles, including 900  $\mu\text{m}$  to 3.0 mm cable. The cable assemblies are manufactured with LC, FC, SC, and/or ST<sup>1</sup> connectors in either angled or non-angled versions. Custom cable assemblies in special lengths and/or connectors are also available.

JDS Uniphase also provides industry-recognized, high-performance reference cable assemblies (master jumpers). These assemblies are manufactured with dimensionally optimized ferrules and fibers to provide very low insertion loss.

Polarization maintaining (PM) cable assemblies are terminated with FC and/or SC connectors in either angled or non-angled versions. These products provide superior insertion loss, extinction ratio, and return loss performance. PM assemblies are manufactured with Panda Fiber and are available with customer-specified axis alignment, operational wavelength, and cable outer diameter (900  $\mu\text{m}$  tubing, 900  $\mu\text{m}$  tight buffer, or 3.0 mm).

### Fiber optic Cable Assemblies Standard, Master, Polarization Maintaining

#### Applications

##### Standard Assemblies

- Interconnect and crossconnect applications
- Digital and analog fiberoptic systems
- Fiber amplifiers

##### Master Assemblies

- Test and measurement systems

##### PM Assemblies

- Optical fiber gyroscopes
- Coherent optical communications
- Test and measurement systems
- Measurement sensors

1. APC not available for ST connectors.

### Specifications

Parameters	Single-mode Assemblies	Master Assemblies	PM Assemblies
Insertion loss	≤0.3 dB (0.15 dB typical)	≤0.1 dB	≤0.5 dB (0.3 dB typical)
Return loss			
HPC	≥50 dB (55 dB typical)	≥50 dB (55 dB typical)	≥50 dB (55 dB typical)
APC	≥60 dB (68 dB typical)	≥60 dB (68 dB typical)	≥60 dB (68 dB typical)
Extinction ratio	N/A	N/A	≥25 dB (28 dB typical)
Repeatability (500 matings)	±0.2 dB	N/A	±0.2 dB
Operational temperature	-40 to 70 °C	-40 to 70 °C	-40 to 70 °C
Storage temperature	-40 to 80 °C	-40 to 80 °C	-40 to 80 °C

### Ordering Information

For more information on these or other products and their availability, please contact your JDS Uniphase account manager, or call 1-877-550-JDSU toll free in North America or visit [www.jdsuniphase.com](http://www.jdsuniphase.com).



U.S. and Canada Toll Free: 877-550-JDSU  
[www.jdsuniphase.com](http://www.jdsuniphase.com)

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