

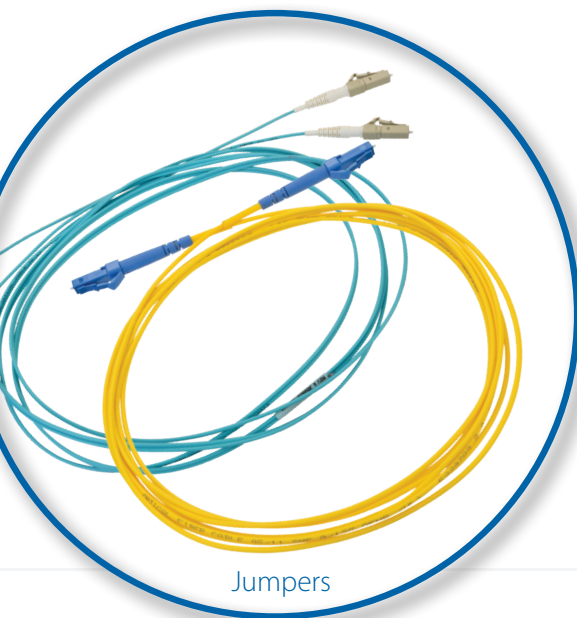
## Optical Accessories: Fiber Jumpers & Optical Attenuators

### Applications:

- Data center
- Head end
- Service provider
- Colocation
- Transport networks
- Carrier cross connects

### Options (Fiber Jumpers):

- Singlemode and Multimode constructions
  - Singlemode (G652.D, G657.A1, or G657.A2)
  - Multimode (OM1 – OM4)
- Standard connector options: LC, SC, UPC, APC
- Simplex, Duplex Zip or Duplex Round constructions
- Jacket OD: 1.2mm, 1.6mm, 2.0mm, 3.0mm
- Available Uniboot, Duplex Clips LC or SC
- Boot Options: Standard, Mini, Uniboot, Flex
- Jacket options OFNR, OFNP, LSZH
- Custom colors and configurations available



Jumpers



Attenuators

### Features (Attenuators):

- Premium Doped Fiber Technology
- Support High Power Levels
- Very Low Polarization Dependent Loss (PDL)

### Certification & Quality:

- Telcordia GR-326 compliant
- Telcordia GR-910-CORE compliant
- 100% QC Inspection
- Test data provided with each assembly
- Individually bagged

Specifications (Jumpers)	Singlemode	Multimode
Wavelength (nm)	1310 and 1550	850 and 1300
Insertion Loss UPC	0.20 dB max	0.40 dB max
Insertion Loss APC	0.30 dB max	na
Return Loss UPC	≥ -55 dB max	≥ -55 dB max
Return Loss APC	≥ -65 dB max	na
Fiber length tolerance	± 10% or specify	
Operating temperature premium cables	-40 to +75 °C	

Specifications (Attenuators)	Singlemode UPC	Singlemode APC	Multimode
Return Loss		< 60dB	N/A
Attenuation Range		0dB – 20dB	0.5dB – 12dB
Tolerance		0 - 7dB ±0.5dB 8 - 12dB ±0.7dB 13 - 20dB 10%	1 - 7dB ±1.0dB 8 - 12dB ±1.5dB
Tested Wavelength	1310nm & 1550nm	850nm & 1550nm	850nm & 1300nm
PDL	< 0.2dB	< 0.2dB	< 0.2dB
Operating Temperature	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C
Storage Temperature	-40°C to +80°C	-40°C to +80°C	-40°C to +80°C