Wirewerks™ fiber optic patch cords and pigtails are the ideal medium to interconnect or cross-connect optical networks within a structured cabling system and test & measurement applications. They are designed, manufactured and tested in compliance with Telcordia, ANSI/TIA, and IEC industry standards. The quality of the components used to build Wirewerks fiber optic patch cords and pigtails ensures reliable connections. They are available in a wide variety of connector options, cable constructions, and flammability ratings. In addition, our factory has the capability and the experience to custom build to meet the most stringent mechanical and optical performance specifications. All Wirewerks patch cords and pigtails are provided with an identification label and have a unique serial number assigned to them. The information appearing on these labels consist of the part number, product description, serial number, guaranteed insertion and return loss (return loss for single mode patch cords and pigtails), and length of the patch cord or pigtail are displayed for easy product recognition and traceability.

<table>
<thead>
<tr>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wirewerks™ fiber optic patch cords and pigtails</td>
</tr>
<tr>
<td>Applications</td>
</tr>
<tr>
<td>Data centers</td>
</tr>
<tr>
<td>Telecommunications networks</td>
</tr>
<tr>
<td>Test and measurement systems</td>
</tr>
<tr>
<td>Features and Benefits</td>
</tr>
<tr>
<td>Custom patch cords &amp; pigtails available upon request</td>
</tr>
<tr>
<td>Standard connectors LC, SC, ST, FC, MTRJ</td>
</tr>
<tr>
<td>Single mode connectors’ default polish is UPC</td>
</tr>
<tr>
<td>(≤-55 dB return loss)</td>
</tr>
</tbody>
</table>
Fiber Optic Patch Cords & Pigtails

### Certification and Compliance

- **ITU-T G.652.D**
- **GR-326-CORE**
- **GR-20-CORE**
- **ANSI/TIA-568-C.3**
- **ANSI/TIA-598-C**
- **TIA-604 series**
- **TIA-455 series**
- **IEC 60874-1**
- **UL 94**
- **RoHS**

- Characteristics of single mode optical fiber cable – Low water peak single mode optical fiber.
- Generic Requirements for Single Mode Optical Connectors and Jumper Assemblies.
- Generic Requirements for Optical Fiber and Optical Fiber Cable.
- Optical Fiber Cabling Components Standard.
- Optical Fiber Cable Color Coding.
- Fiber Optic Connector Intermateability Standard.
- Standard Test Procedure for Fiber Optic Components.
- Connectors for Optical Fibers and Cables – Generic Standard.
- Tests for Flammability of Plastic Material for Parts in Devices and Appliances.
- Directive on Restriction of Hazardous Substances.

### Ordering Information

**Part Number Builder**

```
PC - A B CC D EE F - NNN
```

Fiber optic patch cord, fiber type, cable type, connA, ConnB, polishA, polishB, length

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>NNN</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>NNN</td>
</tr>
</tbody>
</table>

**Fiber type**

- Single mode OS2
- 62.5/125 µm multimode OM1
- 50/125 µm multimode OM2
- 50/125 µm multimode OM3
- 50/125 µm multimode OM4

**Cable type**

- 2 fiber zip 3mm OFNR
- 2 fiber zip 3mm OFNP
- 2 fiber zip 3mm LSZH
- 1 fiber 3mm OFNR
- 1 fiber 3mm OFPN
- 2 fiber round 3mm OFNR
- 2 fiber round 3mm OFNP
- 2 fiber zip 2mm OFNR
- 2 fiber zip 2mm OFNP
- 1 fiber 2mm OFNR
- 1 fiber 2mm OFNP
- 2 fiber zip 1.8mm OFNR
- 2 fiber zip 1.8mm OFNP
- 2 fiber zip 1.8mm LSZH
- 1 fiber tight buffer 900µm

**Connector side A**

- LC
- SC
- ST
- FC
- MT
- MB

**Connector side B**

- LC
- SC
- ST
- FC
- MT
- MB

**Connector side A**

- APC
- UPC
- PC (multimode)

**Connector side B**

- APC
- UPC
- PC (multimode)
- N/A

If a decimal is required, add “D00” right after the nondecimal value and without leaving any space between. The ‘00’ in “D00” must be replaced by the desired value. Example: an assembly with an overall length of 105.55 meters shall read as 105D55.

www.wirewerks.com

sales@wirewerks.com

Telephone: 1 888 993-4237, Fax: 1 888 893-4237

RoHS
# Fiber Optic Patch Cords & Pigtails

**Packaging**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC, SC, MTRJ housing material</td>
<td>UL 94V-0 ABS high-impact thermoplastic</td>
</tr>
<tr>
<td>ST, FC housing material</td>
<td>Nickel-brass</td>
</tr>
<tr>
<td>Connector ferrule material</td>
<td>Zirconia ceramic</td>
</tr>
<tr>
<td>MTRJ ferrule material</td>
<td>Composite</td>
</tr>
</tbody>
</table>

**Physical Characteristics**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature</td>
<td>-20° C (-4° F) – 60° C (140° F)</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-40° C (-40° F) – 60° C (140° F)</td>
</tr>
</tbody>
</table>

**Optical Characteristics**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insertion Loss Single mode UPC</td>
<td>≤0.30 dB</td>
</tr>
<tr>
<td>Insertion Loss Single mode APC</td>
<td>≤0.30 dB</td>
</tr>
<tr>
<td>Insertion Loss Multimode PC</td>
<td>≤0.30 dB</td>
</tr>
<tr>
<td>Return Loss UPC</td>
<td>≤-55 dB</td>
</tr>
<tr>
<td>Return Loss APC</td>
<td>≤-65 dB</td>
</tr>
</tbody>
</table>