SINGLEMODE OR MULTIMODE FIBER OPTIC PATCHCORDS

Features:
- Low insertion loss < 0.2 dB
- Excellent repeatability
- FC/PC, SC, ST, LC, MU, E2000 termination available
- Custom ferrule termination available
- Designed to meet Telcordia specification
- Large selection of cabling
- Operating wavelengths from 200 nm to 2000 nm
- Two micron to 1500 micron diameter core sizes available
- Low and high numerical aperture fibers
- Dielectric anti-reflection coatings available

Applications:
- High speed (10 Gbs/40 Gbs) Telecommunications
- Interferometric Sensors
- Integrated Optics
- Fiber Amplifiers
- Laser detection and display
- Materials processing

Product description:
OZ Optics produces high quality fiber optics patchcords using a variety of commercially available connectors and fibers. These patchcords offer low insertion losses, and excellent repeatability. Patchcords can be manufactured to any specified length. An array of cable materials are available, including unjacketed fiber, 0.9 mm outside diameter (O.D) loose tube buffer, 3 mm O.D kevlar reinforced PVC jacketing, 3 mm armored cabling, and 5 mm heavy duty armored cabling as well as 3 mm or 5 mm Stainless Steel armored cablings.

OZ Optics offers a variety of multimode (MM) fiber types, including telecommunication standard Graded Index (GI) fibers (50/125, 62.5/125 and 100/140 fiber sizes), and step index (SI) fused silica core fibers for high power applications (10 to 1500 micron core sizes). Multimode fibers are designed to operate well over a wide wavelength range. Their transmission range depends on the dopants used. There are low OH- fibers, which are optimized to either transmit well from 380 nm to over 1600 nm (IRVIS type), or high OH- fibers that transmit well from 280 nm to 900 nm (UVVIS type). Fibers that work at wavelengths below 280 nm and above 1600 nm are available on request. Singlemode (SM) fibers are available for a variety of wavelengths, ranging from 320 nm to 1550 nm as well 2000 nm fibers. They typically have a 99% numerical aperture (NA) of about 0.13. Higher NA singlemode fibers are available for certain special applications. When ordering singlemode fibers please specify what wavelength will be used for. Singlemode fiber designed for 1300 nm will not be singlemode at 633 nm. Singlemode fiber designed for 488 nm will work at 633 nm with only slightly higher losses, but at 700 nm the losses are too high.

A large assortment of fiber types are available from stock. OZ Optics also offers custom cabling services for customer pro-
vided fibers. Please read our Standard Tables data sheet (DTS0079) for available fiber types. Patchcords can be terminated with NTT-FC, SC, AT&T-ST, LC, and SMA connectors, as well as other connector types. FC connectors are highly recommended for both singlemode and multimode use. They offer high precision and repeatability. SMA connectors are used mainly for very large core fibers and High Power applications. FC connectors with Super PC and angle polished (APC) endfaces are available to minimize backreflection. Typical backreflection levels are 45 dB for Super PC connectors and 60 dB for APC connectors. FC connectors for SM fibers with ferrule hole sizes of 79, 80, and 83 microns are available to accommodate small cladding size fibers. FC connectors are also the connector of choice for polarization maintaining fibers. Extinction ratios of 30 dB are achievable. See data sheet DTS0071 Polarization Maintaining Fiber Patchcords and Connectors for more information. For High Power Patchcords, please refer to the data sheet DTS0037 High Power Fiber Optic Patchcords.

Ordering Examples For Standard Parts:
OZ Optics manufactures patchcords specifically configured to meet customer requirements. As a result, we offer a large selection of configurations. The following parts are the standard patchcords OZ Optics offers.

Table 1. Singlemode Patchcords

<table>
<thead>
<tr>
<th>BC#</th>
<th>OZ Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>11788</td>
<td>QSMJ-3S3S-320-2/125-3-1</td>
<td>1 meter long, 3 mm OD PVC jacketed, 320 nm, 2/125 high powered SM fiber patchcord, terminated with super FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>16134</td>
<td>QSMJ-3S3S-320-2/125-3-2</td>
<td>2 meter long, 3 mm OD PVC jacketed, 320 nm, 2/125 high powered SM fiber patchcord, terminated with super FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>14824</td>
<td>QSMJ-3S3S-320-2/125-3-5</td>
<td>5 meter long, 3 mm OD PVC jacketed, 320 nm, 2/125 high powered SM fiber patchcord, terminated with super FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>17832</td>
<td>QSMJ-3S3S-400-3/125-3-1</td>
<td>1 meter long, 3 mm OD PVC jacketed, 400 nm, 3/125 high powered SM fiber patchcord, terminated with super FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>16088</td>
<td>QSMJ-3S3S-400-3/125-3-2</td>
<td>2 meter long, 3 mm OD PVC jacketed, 400 nm, 3/125 high powered SM fiber patchcord, terminated with super FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>22550</td>
<td>QSMJ-3S3S-400-3/125-3-5</td>
<td>5 meter long, 3 mm OD PVC jacketed, 400 nm, 3/125 high powered SM fiber patchcord, terminated with super FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>10206</td>
<td>QSMJ-3S3S-488-3.5/125-3-1</td>
<td>1 meter long, 3 mm OD PVC jacketed, 488 nm, 3.5/125 high powered SM fiber patchcord, terminated with super FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>8627</td>
<td>QSMJ-3S3S-488-3.5/125-3-2</td>
<td>2 meter long, 3 mm OD PVC jacketed, 488 nm, 3.5/125 high powered SM fiber patchcord, terminated with super FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>11446</td>
<td>QSMJ-3S3S-488-3.5/125-3-5</td>
<td>5 meter long, 3 mm OD PVC jacketed, 488 nm, 3.5/125 high powered SM fiber patchcord, terminated with super FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>14421</td>
<td>SMJ-3U3U-633-4/125-3-1</td>
<td>1 meter long, 3 mm OD PVC jacketed, 633 nm, 4/125 SM fiber patchcord, terminated with ultra FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>14422</td>
<td>SMJ-3U3U-633-4/125-3-2</td>
<td>2 meter long, 3 mm OD PVC jacketed, 633 nm, 4/125 SM fiber patchcord, terminated with ultra FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>16173</td>
<td>SMJ-3U3U-633-4/125-3-5</td>
<td>5 meter long, 3 mm OD PVC jacketed, 633 nm, 4/125 SM fiber patchcord, terminated with ultra FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>14423</td>
<td>SMJ-3U3U-633-4/125-3-10</td>
<td>10 meter long, 3 mm OD PVC jacketed, 633 nm, 4/125 SM fiber patchcord, terminated with ultra FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>42746</td>
<td>SMJ-3U3U-780-5/125-3-1</td>
<td>1 meter long, 3 mm OD PVC jacketed, 780 nm, 5/125 SM fiber patchcord, terminated with ultra FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>24264</td>
<td>SMJ-3U3U-780-5/125-3-2</td>
<td>2 meter long, 3 mm OD PVC jacketed, 780 nm, 5/125 SM fiber patchcord, terminated with ultra FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>31252</td>
<td>SMJ-3U3U-780-5/125-3-5</td>
<td>5 meter long, 3 mm OD PVC jacketed, 780 nm, 5/125 SM fiber patchcord, terminated with ultra FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>19339</td>
<td>SMJ-3S3S-850-5/125-3-1</td>
<td>1 meter long, 3 mm OD PVC jacketed, 850 nm, 5/125 SM fiber patchcord, terminated with super FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>9028</td>
<td>SMJ-3S3S-850-5/125-3-2</td>
<td>2 meter long, 3 mm OD PVC jacketed, 850 nm, 5/125 SM fiber patchcord, terminated with super FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>25871</td>
<td>SMJ-3U3U-1060-6/125-3-1</td>
<td>1 meter long, 3 mm OD PVC jacketed, 1060 nm, 6/125 SM fiber patchcord, terminated with ultra FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>16172</td>
<td>SMJ-3U3U-1060-6/125-3-5</td>
<td>5 meter long, 3 mm OD PVC jacketed, 1060 nm, 6/125 SM fiber patchcord, terminated with ultra FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>8136</td>
<td>SMJ-3U3U-1300/1550-9/125-3-1</td>
<td>3 meter long, 3 mm OD PVC jacketed, 1300/1550 nm, 9/125 SM fiber patchcord, terminated with ultra FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>8138</td>
<td>SMJ-3U3U-1300/1550-9/125-3-2</td>
<td>2 meter long, 3 mm OD PVC jacketed, 1300/1550 nm, 9/125 SM fiber patchcord, terminated with ultra FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>8140</td>
<td>SMJ-3U3U-1300/1550-9/125-3-5</td>
<td>5 meter long, 3 mm OD PVC jacketed, 1300/1550 nm, 9/125 SM fiber patchcord, terminated with ultra FC/PC connectors on both ends.</td>
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<tr>
<td>BC#</td>
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</tr>
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<td>-------</td>
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<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>8137</td>
<td>SMJ-3U3U-1300/1550-9/125-3-10</td>
<td>10 meter long, 3 mm OD PVC jacketed, 1300/1550 nm, 9/125 SM fiber patchcord, terminated with ultra FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>26261</td>
<td>QSMJ-3A3A-320-2/125-3-1</td>
<td>1 meter long, 3 mm OD PVC jacketed, 320 nm, 2/125 high powered SM fiber patchcord, terminated with angled FC/APC connectors on both ends.</td>
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<tr>
<td>32294</td>
<td>QSMJ-3A3A-320-2/125-3-2</td>
<td>2 meter long, 3 mm OD PVC jacketed, 320 nm, 2/125 high powered SM fiber patchcord, terminated with angled FC/APC connectors on both ends.</td>
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<tr>
<td>42753</td>
<td>QSMJ-3A3A-320-2/125-3-5</td>
<td>5 meter long, 3 mm OD PVC jacketed, 320 nm, 2/125 high powered SM fiber patchcord, terminated with angled FC/APC connectors on both ends.</td>
</tr>
<tr>
<td>27488</td>
<td>QSMJ-3A3A-400-3/125-3-1</td>
<td>1 meter long, 3 mm OD PVC jacketed, 400 nm, 3/125 high powered SM fiber patchcord, terminated with angled FC/APC connectors on both ends.</td>
</tr>
<tr>
<td>32755</td>
<td>QSMJ-3A3A-400-3/125-3-2</td>
<td>2 meter long, 3 mm OD PVC jacketed, 400 nm, 3/125 high powered SM fiber patchcord, terminated with angled FC/APC connectors on both ends.</td>
</tr>
<tr>
<td>28894</td>
<td>QSMJ-3A3A-400-3/125-3-5</td>
<td>5 meter long, 3 mm OD PVC jacketed, 400 nm, 3/125 high powered SM fiber patchcord, terminated with angled FC/APC connectors on both ends.</td>
</tr>
<tr>
<td>2760</td>
<td>QSMJ-3A3A-488-3.5/125-3-1</td>
<td>1 meter long, 3 mm OD PVC jacketed, 488 nm, 3.5/125 high powered SM fiber patchcord, terminated with angled FC/APC connectors on both ends.</td>
</tr>
<tr>
<td>7983</td>
<td>QSMJ-3A3A-488-3.5/125-3-2</td>
<td>2 meter long, 3 mm OD PVC jacketed, 488 nm, 3.5/125 high powered SM fiber patchcord, terminated with angled FC/APC connectors on both ends.</td>
</tr>
<tr>
<td>29860</td>
<td>QSMJ-3A3A-488-3.5/125-3-5</td>
<td>5 meter long, 3 mm OD PVC jacketed, 488 nm, 3.5/125 high powered SM fiber patchcord, terminated with angled FC/APC connectors on both ends.</td>
</tr>
<tr>
<td>8422</td>
<td>SMJ-3A3A-633-4/125-3-1</td>
<td>1 meter long, 3 mm OD PVC jacketed, 633 nm, 4/125 SM fiber patchcord, terminated with angled FC/APC connectors on both ends.</td>
</tr>
<tr>
<td>8677</td>
<td>SMJ-3A3A-633-4/125-3-2</td>
<td>2 meter long, 3 mm OD PVC jacketed, 633 nm, 4/125 SM fiber patchcord, terminated with angled FC/APC connectors on both ends.</td>
</tr>
<tr>
<td>18223</td>
<td>SMJ-3A3A-633-4/125-3-5</td>
<td>5 meter long, 3 mm OD PVC jacketed, 633 nm, 4/125 SM fiber patchcord, terminated with angled FC/APC connectors on both ends.</td>
</tr>
<tr>
<td>16611</td>
<td>SMJ-3A3A-780-5/125-3-1</td>
<td>1 meter long, 3 mm OD PVC jacketed, 780 nm, 5/125 SM fiber patchcord, terminated with angled FC/APC connectors on both ends.</td>
</tr>
<tr>
<td>16692</td>
<td>SMJ-3A3A-780-5/125-3-2</td>
<td>2 meter long, 3 mm OD PVC jacketed, 780 nm, 5/125 SM fiber patchcord, terminated with angled FC/APC connectors on both ends.</td>
</tr>
<tr>
<td>17215</td>
<td>SMJ-3A3A-780-5/125-3-5</td>
<td>5 meter long, 3 mm OD PVC jacketed, 780 nm, 5/125 SM fiber patchcord, terminated with angled FC/APC connectors on both ends.</td>
</tr>
<tr>
<td>New</td>
<td>SMJ-3A3A-850-5/125-3-1</td>
<td>1 meter long, 3 mm OD PVC jacketed, 850 nm, 5/125 SM fiber patchcord, terminated with angled FC/APC connectors on both ends.</td>
</tr>
<tr>
<td>46349</td>
<td>SMJ-3A3A-850-5/125-3-2</td>
<td>2 meter long, 3 mm OD PVC jacketed, 850 nm, 5/125 SM fiber patchcord, terminated with angled FC/APC connectors on both ends.</td>
</tr>
<tr>
<td>New</td>
<td>SMJ-3A3A-850-5/125-3-5</td>
<td>5 meter long, 3 mm OD PVC jacketed, 850 nm, 5/125 SM fiber patchcord, terminated with angled FC/APC connectors on both ends.</td>
</tr>
<tr>
<td>21226</td>
<td>SMJ-3A3A-1060-6/125-3-1</td>
<td>1 meter long, 3 mm OD PVC jacketed, 1060 nm, 6/125 SM fiber patchcord, terminated with angled FC/APC connectors on both ends.</td>
</tr>
<tr>
<td>21227</td>
<td>SMJ-3A3A-1060-6/125-3-2</td>
<td>2 meter long, 3 mm OD PVC jacketed, 1060 nm, 6/125 SM fiber patchcord, terminated with angled FC/APC connectors on both ends.</td>
</tr>
<tr>
<td>20237</td>
<td>SMJ-3A3A-1060-6/125-3-5</td>
<td>5 meter long, 3 mm OD PVC jacketed, 1060 nm, 6/125 SM fiber patchcord, terminated with angled FC/APC connectors on both ends.</td>
</tr>
<tr>
<td>8122</td>
<td>SMJ-3A3A-1300/1550-9/125-3-1</td>
<td>1 meter long, 3 mm OD PVC jacketed, 1300/1550 nm, 9/125 Corning SMF 28e fiber patchcord, terminated with angled FC/APC connectors on both ends.</td>
</tr>
<tr>
<td>8124</td>
<td>SMJ-3A3A-1300/1550-9/125-3-2</td>
<td>2 meter long, 3 mm OD PVC jacketed, 1300/1550 nm, 9/125 Corning SMF 28e fiber patchcord, terminated with angled FC/APC connectors on both ends.</td>
</tr>
<tr>
<td>8125</td>
<td>SMJ-3A3A-1300/1550-9/125-3-5</td>
<td>5 meter long, 3 mm OD PVC jacketed, 1300/1550 nm, 9/125 Corning SMF 28e fiber patchcord, terminated with angled FC/APC connectors on both ends.</td>
</tr>
</tbody>
</table>
**Table 2. Multimode Patchcords**

<table>
<thead>
<tr>
<th>BC#</th>
<th>OZ Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>29843</td>
<td>MMJ-3A3A-IRVIS-62.5/125-3-1</td>
<td>1 meter long, 3 mm OD PVC jacketed, 62.5/125 MM IRVIS fiber patchcord, terminated with angled FC/APC connectors on both ends.</td>
</tr>
<tr>
<td>20543</td>
<td>MMJ-3A3A-IRVIS-62.5/125-3-2</td>
<td>2 meter long, 3 mm OD PVC jacketed, 62.5/125 MM IRVIS fiber patchcord, terminated with angled FC/APC connectors on both ends.</td>
</tr>
<tr>
<td>16917</td>
<td>MMJ-3A3A-IRVIS-62.5/125-3-3</td>
<td>3 meter long, 3 mm OD PVC jacketed, 62.5/125 MM IRVIS fiber patchcord, terminated with angled FC/APC connectors on both ends.</td>
</tr>
<tr>
<td>20542</td>
<td>MMJ-3A3A-IRVIS-62.5/125-3-5</td>
<td>5 meter long, 3 mm OD PVC jacketed, 62.5/125 MM IRVIS fiber patchcord, terminated with angled FC/APC connectors on both ends.</td>
</tr>
<tr>
<td>11581</td>
<td>MMJ-3S3S-IRVIS-62.5/125-3-1</td>
<td>1 meter long, 3 mm OD PVC jacketed, 62.5/125 MM IRVIS fiber patchcord, terminated with super FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>29484</td>
<td>MMJ-3S3S-IRVIS-62.5/125-3-10</td>
<td>10 meter long, 3 mm OD PVC jacketed, 62.5/125 MM IRVIS fiber patchcord, terminated with super FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>11213</td>
<td>MMJ-3S3S-IRVIS-62.5/125-3-2</td>
<td>2 meter long, 3 mm OD PVC jacketed, 62.5/125 MM IRVIS fiber patchcord, terminated with super FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>14807</td>
<td>MMJ-3S3S-IRVIS-62.5/125-3-3</td>
<td>3 meter long, 3 mm OD PVC jacketed, 62.5/125 MM IRVIS fiber patchcord, terminated with super FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>29483</td>
<td>MMJ-3S3S-IRVIS-62.5/125-3-5</td>
<td>5 meter long, 3 mm OD PVC jacketed, 62.5/125 MM IRVIS fiber patchcord, terminated with super FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>8678</td>
<td>QMMJ-3A3A-IRVIS-50/125-3-1</td>
<td>1 meter long, 3 mm OD PVC jacketed, 50/125 high powered MM IRVIS fiber patchcord, terminated with angled FC/APC connectors on both ends.</td>
</tr>
<tr>
<td>26881</td>
<td>QMMJ-3A3A-IRVIS-50/125-3-2</td>
<td>2 meter long, 3 mm OD PVC jacketed, 50/125 high powered MM IRVIS fiber patchcord, terminated with angled FC/APC connectors on both ends.</td>
</tr>
<tr>
<td>26740</td>
<td>QMMJ-3S3S-IRVIS-105/125-3-1</td>
<td>1 meter long, 3 mm OD PVC jacketed, 105/125 high powered MM IRVIS fiber patchcord, terminated with super FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>48218</td>
<td>QMMJ-3S3S-IRVIS-105/125-3-2</td>
<td>2 meter long, 3 mm OD PVC jacketed, 105/125 high powered MM IRVIS fiber patchcord, terminated with super FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>39824</td>
<td>QMMJ-3S3S-IRVIS-105/125-3-5</td>
<td>5 meter long, 3 mm OD PVC jacketed, 105/125 high powered MM IRVIS fiber patchcord, terminated with super FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>11202</td>
<td>QMMJ-3S3S-IRVIS-200/240-3-2</td>
<td>2 meter long, 3 mm OD PVC jacketed, 200/240 high powered MM IRVIS fiber patchcord, terminated with super FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>10482</td>
<td>QMMJ-3S3S-IRVIS-200/240-3-5</td>
<td>5 meter long, 3 mm OD PVC jacketed, 200/240 high powered MM IRVIS fiber patchcord, terminated with super FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>13238</td>
<td>QMMJ-3S3S-UVVIS-10/125-3-1</td>
<td>1 meter long, 3 mm OD jacketed, 10/125 high powered MM UVVIS fiber patchcord, terminated with super FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>8625</td>
<td>QMMJ-3S3S-UVVIS-10/125-3-2</td>
<td>2 meter long, 3 mm OD jacketed, 10/125 high powered MM UVVIS fiber patchcord, terminated with super FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>19354</td>
<td>QMMJ-3S3S-UVVIS-10/125-3-5</td>
<td>5 meter long, 3 mm OD jacketed, 10/125 high powered MM UVVIS fiber patchcord, terminated with super FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>13239</td>
<td>QMMJ-3S3S-UVVIS-25/125-3-1</td>
<td>1 meter long, 3 mm OD jacketed, 25/125 high powered MM UVVIS fiber patchcord, terminated with super FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>9074</td>
<td>QMMJ-3S3S-UVVIS-25/125-3-2</td>
<td>2 meter long, 3 mm OD jacketed, 25/125 high powered MM UVVIS fiber patchcord, terminated with super FC/PC connectors on both ends.</td>
</tr>
<tr>
<td>19779</td>
<td>QMMJ-3S3S-UVVIS-25/125-3-5</td>
<td>5 meter long, 3 mm OD jacketed, 25/125 high powered MM UVVIS fiber patchcord, terminated with super FC/PC connectors on both ends.</td>
</tr>
</tbody>
</table>
Ordering Examples For Custom Parts:
OZ Optics welcomes the opportunity to provide custom designed products to meet your application needs. Customized products do take additional effort, so please expect some differences in the pricing compared to our standard parts list. In particular, we will need additional time to prepare a comprehensive quotation, and lead times will be longer than for standard products. These points will be carefully explained in your quotation, so your decision will be as well-informed as possible.

Questionnaire For Custom Parts:
1. What wavelength of light will you be transmitting through the fiber?
2. Are you working with a source over 250 mW?
3. Do you need multimode, singlemode, or polarization maintaining fiber?
4. If multimode, do you need graded index or step index fiber?
5. What fiber core/cladding size do you prefer?
6. What should the numerical aperture of the fiber be?
7. How long should the patchcord be, in meters?
8. What type of connectors do you need on each end?
9. What type of cabling do you need?

Description

Fiber Optic Patchcord

\[
\text{FMJ-XY-W-a/b-JD-L}
\]

\[F\] = Fiber Type:
- \(S\) = Singlemode fiber
- \(M\) = Multimode fiber
- \(QS\) = High power singlemode fiber
- \(QM\) = High power multimode fiber

\[XY\] = Input and Output Connector Types:
Refer to Table 6 of the Standard Tables Data Sheet DTS0079.

\[W\] = Wavelength in nm:
See tables 1 to 5 of the Standard Tables for standard singlemode and multimode fiber operating wavelengths. For multimode fibers specify either IRVIS for visible and infrared applications (400–2000 nm), or UVVIS for ultraviolet and visible applications (200–700 nm).

\[L\] = Patchcord length, in meters

\[JD\] = Jacket Diameter:
- \(3\) = 3 mm OD PVC loose tube with Kevlar
- \(3A\) = 3 mm OD armored
- \(3AS\) = 3 mm OD stainless steel armored
- \(5A\) = 5 mm OD armored
- \(5AS\) = 5 mm OD stainless steel armored
See Table 7 of the Standard Tables for drawings.

\[a/b\] = Fiber core and cladding diameters, in microns: See tables 1 to 5 of the Standard Tables for standard fiber sizes.