Fiber Optic, Patch cords & Pigtails

Features and benefits

- Available with all fiber optic connector types
- High quality ferrules and housings
- Low insertion loss and high return loss
- Individual test results and traceability number
- Mating Durability: 1000 cycles; <0.2 dB change
- IEC, EIA/TIA and GR-326-CORE compliant
- Customized on request

Description

Opterna offers high performance patchcords and pigtails for use in all types of fiber optic networks. The Opterna patchcords & pigtails are manufactured using state-of-the-art controlled manufacturing processes to operate over the full range of singlemode and multimode wavelengths.

Opterna patchcords and pigtails are terminated with high quality connectors, which provide low insertion loss and high return loss. Each patchcord or pigtail is individually tested and supplied with test certificates. The unique serial number provides traceability of every single product. Available in all types of singlemode and multimode fiber types

Technical data

<table>
<thead>
<tr>
<th>Optical data</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fiber type</td>
<td>OS2, G657A1, G657A2, G657B2, G657B3, OM1, OM2, OM3, OM4</td>
</tr>
<tr>
<td>Connector Insertion Loss*</td>
<td>≤0.3dB for SC, LC, FC, ST, E2000; ≤0.7dB for MTRJ</td>
</tr>
<tr>
<td>Connector Return Loss*</td>
<td>≥50dB UPC, ≥60dB APC</td>
</tr>
</tbody>
</table>

*Different specifications available on request

Environmental data

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating temperature</td>
<td>-40C to +85C</td>
</tr>
<tr>
<td>Free of halogen</td>
<td>Yes (when LSZH cable is specified)</td>
</tr>
<tr>
<td>2011/65/EC RoHS</td>
<td>Fully compliant</td>
</tr>
</tbody>
</table>
1. **Connector A**
   - ST = ST connector
   - SC = SC connector
   - SD = SC duplex
   - FC = FC connector
   - LC = LC connector
   - LD = LC duplex
   - MD = MU duplex
   - E2 = E2000
   - MT = MTRJ
   - FD = FDDI
   - ES = ESCON
   - SMA = SMA
   - SS = Shuttered SC

2. **Connector A finish**
   - P = PC
   - U = UPC
   - A = APC

3. **Cable diameter**
   - 12 = 1.2mm
   - 16 = 1.6mm
   - 18 = 1.8mm
   - 20 = 2.0mm
   - 28 = 2.8mm
   - 02 = 250um
   - 09 = 900um

4. **Fiber type**
   - OM1 = OM1
   - OM2 = OM2
   - OM3 = OM3
   - OM4 = OM4
   - OS2 = SM G652D
   - 7A1 = SM G657A1
   - 7A2 = SM G657A2
   - 7B2 = SM G657B2
   - 7B3 = SM G657B3
   - 655 = SM G655
   - 656 = SM G656

5. **Cable type**
   - SX = Simplex
   - DX = Duplex
   - FD = Flat duplex
   - TB = Tight buffered
   - ES = Easy strip
   - LT = Loose tube

6. **Material**
   - L = LSZH
   - V = PVC
   - R = Riser
   - P = Plenum

7. **Connector B**
   - ST = ST connector
   - SC = SC connector
   - SD = SC duplex
   - FC = FC connector
   - LC = LC connector
   - LD = LC duplex
   - MD = MU duplex

8. **Connector B finish**
   - P = PC
   - U = UPC
   - A = APC
   - Blank for pigtail

9. **Cable length**
   - 010 = 1.0m
   - 015 = 1.5m
   - 150 = 15.0m

10. **Cable colour**
    - BL = Blue
    - YL = Yellow
    - WH = White
    - OR = Orange
    - AQ = Aqua
    - HV = Heather Violet