

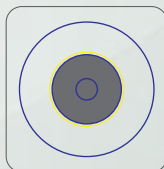
Fiber Patchcords & Pigtails

Lightem provides a broad selection of standard patchcords for your special patching need. Our production line equips with state of the art manufacturing facilities and sophisticated testing equipments. Lightem connectors feature durable construction to ensure reliable mating time after time. Only premium grade zirconia ferrules are selected for our connectors which feature ultra low concentricity; this ensures the finished patchcords have consistent lowest optical loss performance at your critical network. Together with our stringent quality management, we guarantee the Lightem patchcords meet or exceed industrial standard in terms of both optically and mechanically, which ensure your piece of mind patching installation.

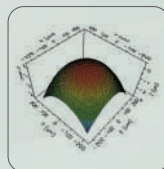
Features

- Low insertion loss with consistent performance
- 100% tested on IL and RL
- Easy identification by broad range of housing and boot colour
- Telcordia GR-326 compliant
- OS1, OS2, G657A1, G657A2, OM1(62.5/125), OM2, OM3, OM4 and OM5 (50/125) fibers available
- Zirconia ferrule with high concentricity
- LMC Indoor Cable: 900 μ m, 2mm or 3mm
- Cable outer jacket available in Riser (OFNR) and Low Smoke Zero Halogen (LSZH), Plenum (OFNP)
- Fast and trustful product delivery system

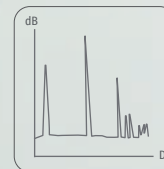
100% Lightem Assurance



Connector Surface Inspection



Geometric Inspection



Optical Inspection

Specifications

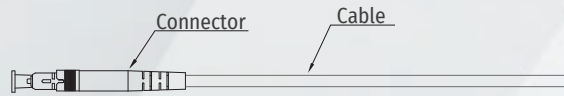
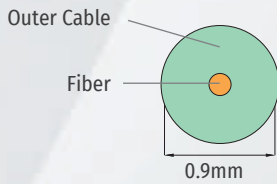
| Model | Standard Connector * | | | E2000 Connector series | | |
|-----------------------|---|-------|---------------------------------------|------------------------|-------|---------------------------------------|
| | Singlemode | | Multimode | Singlemode | | Multimode |
| Connector type * | UPC | APC | PC | UPC | APC | PC |
| Insertion loss (dB) | | < 0.3 | | | < 0.4 | |
| Return loss (dB) | >50 | > 65 | >25 | >50 | > 85 | >40 |
| Core/Cladding size | 9/125 μ m | | 50/125 μ m or 62.5/125 μ m | 9/125 μ m | | 50/125 μ m or 62.5/125 μ m |
| Cable count | Simplex or Duplex | | | | | |
| Cable Type | 33 - 3mm twin cable | | | | | |
| Jacket type | PVC or LSZH | | | | | |
| Jacket material | Low smoke halogen-free flame retardant polyolefin (LSZH) / Polyvinyl chloride (PVC) | | | | | |
| Jacket Diameter | 900 μ m, 2mm or 3mm | | | 2mm or 3mm | | |
| Operating temperature | -40 ~ +85 °C | | | -25 ~ +70 °C | | |

* Includes FC, SC, ST, LC, MU, FDDI, ESCON connectors

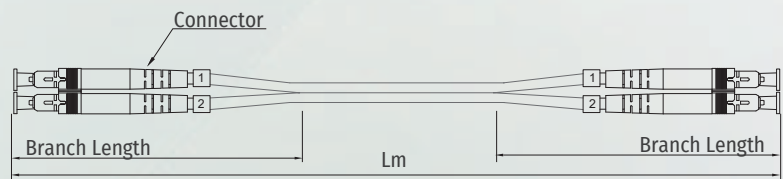
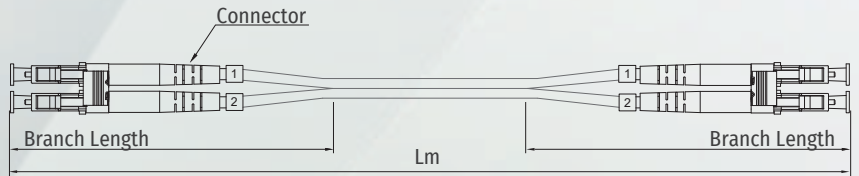
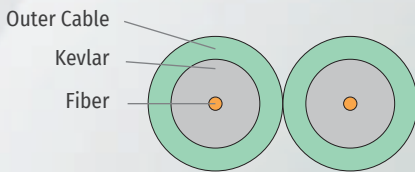
| Optional LSZH Patchcord Fire Performances | | | |
|---|-------------------------------|------------------------------------|-------------------------------|
| Flame retardant IEC 60332-1 | Fire retardant IEC 60332-3 | Low smoke opacity IEC 61034-1/2 | Halogen free IEC 60754-1/2 |

Product Diagram

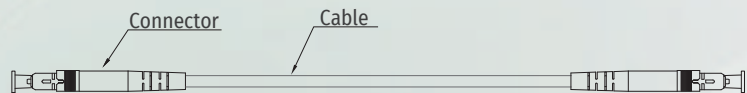
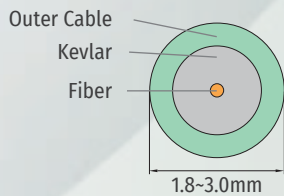
0.9mm Simplex Type



Duplex Type



1.8mm to 3.0mm Simplex Type



Ordering Information

| Fiber type | Connector type1 | Connector type 2 | Cable Type | Lenght(m) | Cable Material |
|----------------------------|--------------------|--------------------|---------------------|-------------|----------------|
| S5 - Singlemode G655 | Singlemode Type | XX - Pigtail | 31 - 3mm simplex | 0010 - 1m | P - PVC |
| S6 - Singlemode G657A1 | FU - FC/UPC | Singlemode Type | 32 - 3mm duplex | 0015 - 1.5m | L - LSZH |
| S7 - Singlemode G657A2 (B) | FA - FC/APC | FU - FC/UPC | 33 - 3mm twin cable | | |
| SM - Singlemode G652D | CU - SC/UPC | FA - FC/APC | 21 - 2mm simplex | 0990 - 99m | |
| M6 - MM OM1 62.5/125µm | CA - SC/APC | CU - SC/UPC | 22 - 2mm duplex | | |
| M5 - MM OM2 50/125µm | TU - ST/UPC | CA - SC/APC | 61 - 1.6mm simplex | | |
| MO - MM OM3 50/125µm | LU - LC/UPC | TU - ST/UPC | 62 - 1.6mm duplex | | |
| M4 - MM OM4 50/125µm | LA - LC/APC | LU - LC/UPC | 82 - 1.8mm duplex | | |
| OM5 - MM OM5 50/125µm | MJ - MU/UPC | LA - LC/APC | 90 - 900 um simplex | | |
| | MP - MTRJ w/o pin | MJ - MU/UPC | 00 - others | | |
| | MU - MTRJ with pin | MP - MTRJ w/o pin | | | |
| | EU - E2000/UPC | MU - MTRJ with pin | | | |
| | EA - E2000/APC | EU - E2000/UPC | | | |
| | DN - DIN/UPC | EA - E2000/APC | | | |
| | D4 - D4/UPC | DN - DIN/UPC | | | |
| | FD - FDDI | D4 - D4/UPC | | | |
| | Multimode Type | FD - FDDI | | | |
| | FC - FC | Multimode Type | | | |
| | SC - SC | FC - FC | | | |
| | ST - ST | SC - SC | | | |
| | LC - LC | ST - ST | | | |
| | ES - ESCON | LC - LC | | | |
| | FD - FDDI | ES - ESCON | | | |
| | MJ - MTRJ | FD - FDDI | | | |
| | MP - MTRJ with pin | MJ - MTRJ | | | |
| | S5 - SMA 905 | MP - MTRJ with pin | | | |
| | S6 - SMA 906 | S5 - SMA 905 | | | |
| | | S6 - SMA 906 | | | |

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