

Gator Patch

The Gator Patch is a unique, factory terminated fiber distribution solution. Easy to install in the field, this patented product has been used extensively all across the globe in a wide range applications such as ITS (transportation), industrial, power utility, etc. With such a wide array of fiber and connector options, the Gator Patch is THE product for field installable, ‘plug & play’ solutions. The Gator Patch is manufactured and tested to the highest industry standards in our North American facilities.



KEY FEATURES

- INSTALLS QUICKLY IN OUTDOOR ENCLOSURES, PEDESTALS AND EQUIPMENT RACKS AT ZERO RU
- FACTORY TERMINATED AND 100% TESTED
- AVAILABLE IN VARIOUS CABLE, FIBER TYPE, FIBER COUNT AND CONNECTOR CONFIGURATIONS
- AVAILABLE AS A PIGTAIL FOR SPLICING OR WITH MTP CONNECTION FOR PLUG AND PLAY
- SLIM BODY DESIGN IS POTTED FOR ADDITIONAL RUGGEDNESS
- CUSTOM DESIGNS AVAILABLE UPON REQUEST
- MANUFACTURED IN NORTH AMERICA FOR QUICK TURN AROUND

Typical Interconnection

PHOTO TO THE RIGHT SHOWS A GATOR PATCH INSTALLED IN A TYPICAL TRAFFIC CONTROL CABINET. THE BLUNT (PIGTAIL) END OF THE CABLE IS SPLICED INTO THE MAIN UNDERGROUND TRUNK CABLE.



Ordering Information

| Number of Steps | |
|-----------------|--------------------|
| 2 | 2 Step |
| 3 | 3 Step |
| 4 | 4 Step |
| 6 | 6 Step |
| 8 | 4 Step (wide body) |

| Tail Connector | | | |
|----------------|-------------------|---|---------------------------|
| C | 1 MTP (m) Adapter | A | Optitip (pinned) Tail |
| D | 2 MTP(m) Adapter | B | Optitip (unpinned) Tail |
| M | 12F MTP(f) Tail | T | Optitip Adapter |
| N | 12F MTP(m) Tail | 1 | 12F Industrial MTP(m) |
| U | 6F MTP(f) Tail | 2 | 12F Industrial MTP(f) |
| V | 6F MTP(m) Tail | 3 | 12F MTP(f) Super Low Loss |
| J | 24F MTP(f) Tail | 4 | 12F MTP(m) Super Low Loss |
| K | 24F MTP(m) Tail | 0 | Pigtail (no connector) |

| Performance | |
|-------------|----------|
| 0 | Standard |
| L | Low Loss |

| Pull-kits | |
|-----------|-------------|
| 0 | None |
| 1 | 1 installed |
| 2 | 2 installed |

G **B** - **XX** -

| Fiber Type | |
|------------|----------------|
| 1 | 62.5/125 (OM1) |
| 2 | SM (OS2) |
| 3 | 50/125 (OM2) |
| 9 | 50/125 (OM3) |
| A | 50/125 (OM4) |

| Gator Connector | |
|-----------------|-----------|
| J | SC |
| G | ST |
| L | FC |
| U | LC Duplex |
| W | LC Quad |
| X | SCapc |

| Fiber Count | |
|-------------|----------|
| 04 | 4 Fiber |
| 06 | 6 Fiber |
| 08 | 8 Fiber |
| 12 | 12 Fiber |
| 24 | 24 Fiber |

| Cable Types | |
|-------------|---------------------------|
| B | Breakout |
| F | Loose-tube (in/outdoor) |
| L | Loose-tube (outdoor only) |
| Q | 3mm Mini-Dist (indoor) |
| R | Flat Ribbon (indoor) |
| S | Flat Drop (outdoor) |
| U | Flat Drop (in/outdoor) |
| 0 | NA (no cable) |

| Cable Rating | |
|--------------|-------------------------|
| R | Riser (FT4) |
| P | Plenum (FT6) |
| A | Armored (not rated) |
| N | Non-Armored (not rated) |
| L | LSZH |
| 0 | NA (no cable) |

Notes:

1. Low loss Gator connectors available on OS2, OM3, OM4 fiber only.
2. Super low loss MTP connectors available on OM4 fiber only.
3. Minimum length of cable tails is 2 meters.

Please contact customer service for additional information.
Custom configurations available upon request.
All specifications are subject to change

Specifications

| Technical Specifications - GatorPatch body connectors | | | | | |
|--|--|---------|----------|---------------------------------|---------------|
| Connector Performance | Multimode (OM1, OM2, OM3, OM4) | | | Single mode (OS2) | |
| Test wavelength | 850 and 1300nm | | | 1550nm | |
| Insertion loss (per connector) | 0.2dB, 0.15dB(low loss) typ. | | | 0.2dB, 0.15dB(low loss) typical | |
| | 0.4dB, 0.3dB(low loss) max. | | | 0.4dB, 0.3dB(low loss) max. | |
| Reflectance | < -20dB | | | < -55dB | |
| Durability | 500 matings, <0.2dB change | | | 500 matings, <0.2dB change | |
| Tensile strength - straight pull (cable tail) | 50lbs (220N), <0.2dB change | | | 50lbs (220N), <0.2dB change | |
| Temperature range | -40 to +70C | | | -40 to +70C | |
| Ferrule polish | PC | | | upc, apc | |
| Connector options | ST, SC, LC, FC | | | ST, SC, LC, SCapc, Lcapc, FC | |
| Technical Specifications - MTP adapter or tail (when applicable) | | | | | |
| Insertion loss (MTP Multi fiber Connector) | 0.2dB typ. | | | 0.25dB, 0.2dB(low loss) typ. | |
| | 0.5dB max, 0.35dB elite max. 0.2dB super low loss elite OM4 | | | 0.5dB, 0.35dB elite max. | |
| Insertion Loss (Optitip multifiber Connector & Industrial MPO) | 0.3dB typical | | | 0.3dB typical | |
| | 0.75dB max | | | 0.75dB | |
| Durability | 500 matings, <0.2dB change | | | 500 matings, <0.2dB change | |
| Temperature range | -40 to +70C | | | -40 to +70C | |
| Cable Performance | Multi mode | | | | Single-mode |
| Fiber Type | 62.5/125µm | | 50/125µm | | Single-mode |
| | (850/1300nm) | | | | (1310/1550nm) |
| ISO/IEC name | OM1 | OM2 | OM3 | OM4 | OS2 |
| Max. Atten. (dB/km) | 3.4/1.0 | 3.0/1.0 | 3.0/1.0 | 3.0/1.0 | 0.4/0.3 |
| Min. OFL - Bandwidth (MHz•km) | 200/500 | 700/500 | 1500/500 | 1500/500 | - / - |

