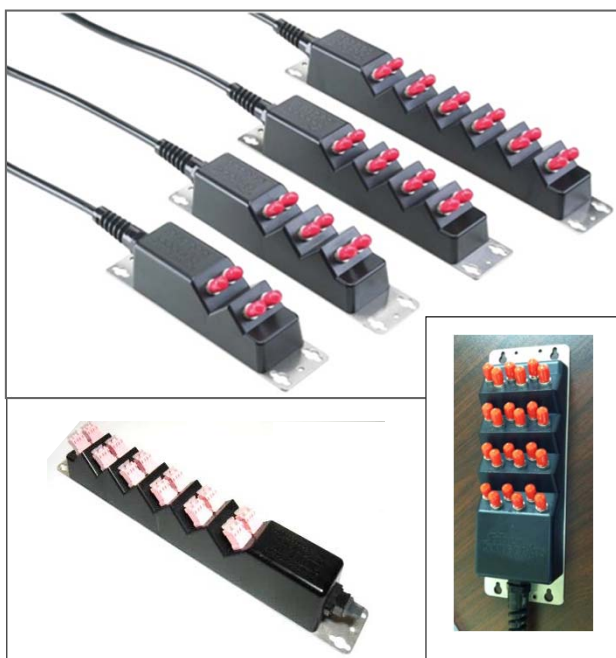# Data Sheet

## GatorPatch – The Pre-terminated Patch Panel

The GatorPatch is a unique, factory terminated fiber distribution solution. Easy to install in the field, this patented product is widely installed within the industrial, power utility and ITS communities around the world.

With a wide variety of fiber and connector options, this is THE product for a field installable, 'plug in and play' solution.

The GatorPatch is manufactured in North American facilities and adhere to the highest industry standards in manufacturing and supported with a strong adaptive quality system and trained employees.

KEY FEATURES

- Installs quickly in outdoor enclosures, pedestals or equipment racks at zero RU
- Factory terminated and 100% tested
- Available with several cable options, including loose tube, I/O and armored
- Available with Single Mode or Multimode fiber and any standard connectors
- Fiber "tail" options – pigtail for splicing, standard or industrial MTP connector
- Available with MTP adapter on the end face for direct trunk cable connection
- Available with 4-24 fibers.
- Custom designs are always an option
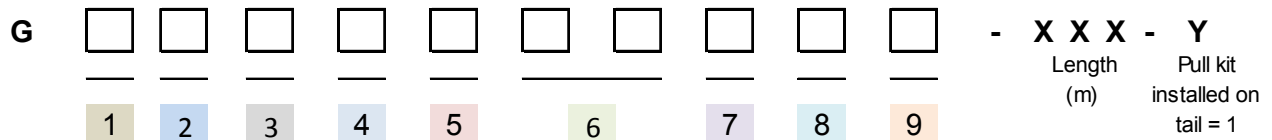
## Typical Interconnections

GatorPatch

- Installed in an outdoor pedestal
- Cable tail is spliced into main fiber cable

**Fiber Connections** Inc.
*Innovate | Design | Deliver*

## Ordering Information

```
G  □ □ □ □ □ □ □ □ □ □   - X X X - Y
   1 2 3 4 5   6   7 8 9    Length   Pull kit
                            (m)     installed on
                                    tail = 1
```

**1  # of Steps**
2 = 2 Step
3 = 3 Step
4 = 4 Step
6 = 6 Step
8 = 4 Step Wide Body

**2  Fiber Type**
1 = 62.5/125um OM1
2 = Single Mode OS2
3 = 50/125um OM2
9 = 50/125um OM3
A = 50/125um OM4

**3  Performance**
0 = Standard
L = Low Loss

**4  Step Connectors**
J = SC
G = ST
L = FC
U = LC Duplex
W = LC Quad
X = SC apc

**5  Tail Connector/Adapter**
C = 1 MTP(m) Adapter
D = 2 MTP(m) Adapter
M = 12 Fiber MTP(f)
N = 12 Fiber MTP(m)
U = 6 Fiber MTP(f)
V = 6 Fiber MTP(m)
1 = 24 Fiber MTP(f)
2 = 24 Fiber MTP(m)
A = Optitip pinned
B = Optitip unpinned
T = Optitip Bulkhead
0 = Pigtail (no conn.)

**6  Fiber Count**
04 = 4 fibers
06 = 6 fibers
08 = 8 fibers
12 = 12 fibers
24 = 24 fibers

**7  Cable Type**
B = Breakout
R = Ribbon
L = Loose Tube
F = Indoor/Outdoor
Q = Data center
S = Flat Drop
0 = NA (adapter type)

**8  Cable Rating**
R = Riser
P = Plenum
A = Armoured
N = Non-armoured
L = LSZH
0 = NA (adapter type)

**9  Body**
B = Black

Note:
1. Low Loss performance available on OM3, OM4 and OS2 only
2. Not all possible combinations are available, consult the factory
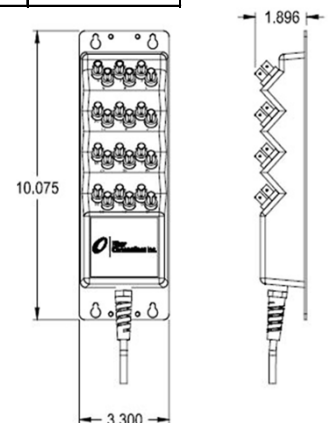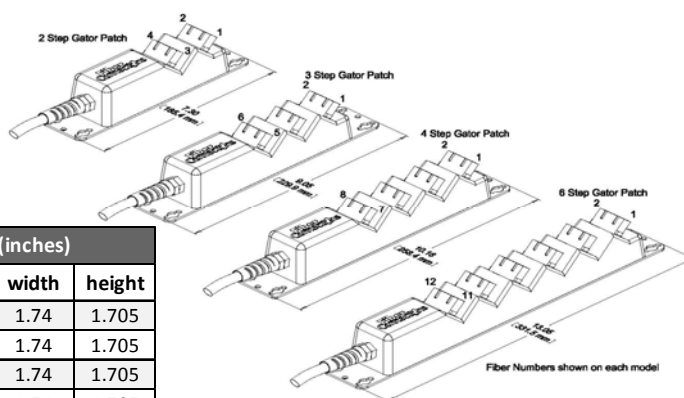
## Example P/Ns

6 Step GatorPatch, SM, SCupc, -Pigtail ,12 Fiber SST Drop Cable , 31m long = **G620F012LSB-31-0**
3 Step GatorPatch, OM3, LC Dx, -Pigtail , 6 Fiber I/O Riser Cable , 60m long = **G390U006FRB-60-0**

## Technical 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 Connnector) | 0.2dB typ. | 0.25dB, 0.2dB(low loss) typ. |
| | 0.5dB, 0.35dB(low loss) max. | 0.5dB, 0.35dB(low loss) max. |
| Durability | 500 matings, <0.2dB change | 500 matings, <0.2dB change |
| Temperature range | -40 to +70C | -40 to +70C |

| Cable Performance | Multimode | | | | 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 | - / - |



| Physical Properties (inches) | | | | |
|---|---|---|---|---|
| body | fibers | length | width | height |
| 2 step | 4 | 7.5 | 1.74 | 1.705 |
| 3 step | 6 | 9.05 | 1.74 | 1.705 |
| 4 step | 8 | 10.16 | 1.74 | 1.705 |
| 6 step | 12 | 13.05 | 1.74 | 1.705 |
| 4 step wide body | 24 | 10.075 | 3.3 | 1.9 |

4 Step Wide Body

## The plug and play patch panel