

# Evolv® Terminal with Pushlok® Technology 2 port, preconnectorized OptiTip® stub, SST Dielectric, 30 m

CORNING

**Part Number:**  
**DFA2F1FDD1M1030M0P**

Pushlok® hardened connector technology is the key component enabling smaller terminals for FTTx networks than ever before. Designed for use in nearly every access network environment, the terminal is small enough to be placed in existing handholes or pedestals where space is paramount, on building facades, or in aerial networks (pole- or strand-mount). Improved aesthetics improve end-user adoption for facade applications. There are two styles of terminals designed to meet various space and density requirements: terminals with one row of adapter ports and terminals with two rows of adapter ports. For terminals with one row of adapter ports, the ports are aligned in a single row with the input stub on the left and 2-, 4-, 6- or 8-distribution ports on the right. For terminals with two rows of ports, the input stub is on the front left of the terminal and there are 6-, 8-, 12- or 16- distribution ports. Each port's corresponding release button is actuated to remove the dust cap or drop. When installing drops, the keyed ports provide an audible and physical positive feedback minimizing technician variation and potential damage due to mishandling.

## Features and Benefits

### **Pushlok™ cable assembly connector ports for customer drop terminations**

Lower installation cost and increased speed of connection

### **Standard and integrated splitter terminal options**

#### **Durability**

Solution supports various architecture types

#### **Durability**

100 lb cable tensile strength

### **Available stubbed or preterminated with OptiTip® multifiber connector technology**

Compatible with existing FlexNAP™ installations

### **Small form factor optimizes space in pedestals/handholes**

Lower profile overall with drop entry ports on bottom

### **Ultrasonically welded housing**

Eliminates water ingress potential and prevents unwanted entry in the field

### **Factory-terminated polished connectors**

Eliminates loss associated with excess fusion splices



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## Specifications

| General Specifications              |                                                          |
|-------------------------------------|----------------------------------------------------------|
| Product Type                        | Terminals                                                |
| Environment                         | Outdoor                                                  |
| Cable Type                          | SST Flat Dielectric Drop                                 |
| Fiber Category                      | ITU-TG.652.D (OS2)                                       |
| Packaging                           | Individual Pack                                          |
| Preconnectorized "Stubbed" Hardware | Yes                                                      |
| Cable type stubbed                  | SST Drop Cable                                           |
| Mounting Type                       | Strand-mount, Pole-mount, Pedestal-mount, Handhole Mount |
| Splice option                       | No                                                       |
| Application                         | Fiber to the Premises                                    |
| Technology                          | Pushlok                                                  |

| Standards                |                                                           |
|--------------------------|-----------------------------------------------------------|
| RoHS                     | Free of hazardous substances according to RoHS 2011/65/EU |
| Design and Test Criteria | IP68                                                      |

| Environmental Conditions     |                                     |
|------------------------------|-------------------------------------|
| Temperature Range, Operation | -40 °C to 85 °C (-40 °F to 185 °F ) |
| Temperature Range, Storage   | -40 °C to 85 °C (-40 °F to 185 °F ) |

| Design            |              |
|-------------------|--------------|
| Lockable          | No           |
| Fiber Count       | 2            |
| Input Fiber Count | 2            |
| Fiber Coloring    | Blue, Orange |

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## Design

|                                                |                          |
|------------------------------------------------|--------------------------|
| Fibers per Port                                | 1                        |
| Number of single-fiber ports, SC APC connector | 2                        |
| Housing Material                               | Plastic                  |
| Pigtail Length                                 | 100 m                    |
| Input Cable Type                               | SST Flat Dielectric Drop |
| Sealing Type                                   | Welded                   |
| Housing Color                                  | Black                    |
| Pigtail Type                                   | Dielectric               |
| Number of Fibers in Input Cable                | 2                        |
| Number of Ports                                | 2                        |

## Design - Adapter

|              |         |
|--------------|---------|
| Adapter Type | Pushlok |
|--------------|---------|

## Mechanical Specifications

|                  |                 |
|------------------|-----------------|
| Cold Mate/Demate | -40 °C (-40 °F) |
| Cable Length     | 30 m            |

## Optical Specification - Hardware

|                            |         |
|----------------------------|---------|
| Module Insertion Loss, Max | 0.5 dB  |
| Reflectance, Maximum       | > 65 dB |

## Connector Specs

|                  |         |
|------------------|---------|
| Polish           | APC     |
| Housing Color    | Black   |
| Housing Material | Plastic |

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## Specifications - Connector A

|                         |         |
|-------------------------|---------|
| Connector Type          | Pushlok |
| Housing Color           | Black   |
| Polish                  | APC     |
| Housing Material        | Plastic |
| Endface Type            | APC     |
| Insertion Loss, Max.    | 0.50 dB |
| Reflectance             | > 65 dB |
| Insertion Loss, Typical | 0.15 dB |

## Specifications - Connector B

|                         |         |
|-------------------------|---------|
| Connector Type          | Pushlok |
| Housing Color           | Black   |
| Polish                  | APC     |
| Housing Material        | Plastic |
| Insertion Loss, Max.    | 0.50 dB |
| Reflectance             | > 65 dB |
| Insertion Loss, Typical | 0.15 dB |

## Dimensions

|        |        |
|--------|--------|
| Height | 30 mm  |
| Width  | 84 mm  |
| Depth  | 152 mm |
| Weight | 1.5 kg |

## Ordering Information

|                  |                    |
|------------------|--------------------|
| Product Number   | DFA2F1FDD1M1030M0P |
| Packaging Method | Box                |
| Shipping Weight  | 1.5 kg             |

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|                    |        |
|--------------------|--------|
| Shipping Height    | 762 mm |
| Shipping Width     | 762 mm |
| Shipping Depth     | 152 mm |
| Units per Delivery | 1/1    |



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