# BuildOpt™ Collector Terminal Plate

## Features & Benefits

- Designed for Commercial and Residential MDU/MTU applications
- 72 fiber collector: 12 port terminal with 5 MPO ports
- 144 fiber collector: 24 port terminal with 10 MPO ports
- Five or ten 12-fiber MPO ports for additional terminals
- Riser and indoor/outdoor ribbon cable stub options with standard lengths up to 500 ft
- Cable management for proper retention and placement of fiber drop cables up to 4.8 mm diameter
- Low connector insertion loss and return loss
- Compliant with GR-3123-CORE and GR-326-CORE
- UL and cUL listed
- Part of the Opterna splice-free plug-and-play PON solution

## Overview

The BuildOpt™ Collector Terminal Plate (CTP) combines the functionality of a Fiber Collector and the convenience of a Fiber Terminal into one assembly. It serves as a collection point for plug-and-play fiber distribution terminals (commonly located in the middle of a building), and it's a terminal for MDU or MTU drops where it is located.

The Collector Terminal Plate can be mounted onto any flat surface for enclosure-less or 3rd-party enclosure applications. The metal mounting plate includes a ground connection and four mounting holes.

- The 72 fiber assembly has 12 SC-APC ports and five MPO port for connecting other BuildOpt Terminals.
- The 144 fiber assembly has 24 SC-APC ports and ten MPO ports for connecting other BuildOpt Terminals.

The cable stubs are bend-insensitive single mode ribbon fiber with riser or indoor/outdoor jackets. The cable management features of the Terminal section accommodate up to 4.8 mm diameter drop cables.

## Technical Data

**Mechanical Specifications**

| Specification | Value |
|---|---|
| Dimensions (W x H x D) | 13.0 in x 13.0 in x 5.0 in (330 mm x 330 mm x 130 mm) |
| Material (steel) | Powder coated steel |
| Material (plastic) | 94V-0 PC Blend Light Gray (RAL 7035) |
| Cable type | 12 fiber ribbon, riser or indoor/outdoor |
| Cable diameter | 0.50 in (12.7 mm) to 0.60 in (15.2 mm) |
| SC terminal ports | 12 (72 fiber model) and 24 (144 fiber model) |
| MPO ports | 5 (72 fiber model) and 10 (144 fiber model) |

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## Technical Data

**Optical Specifications**

| Specification | Value |
|---|---|
| Fiber count | 72 or 144 fibers |
| Fiber type | G.657.A1 bend-insensitive single mode ribbon |
| Insertion Loss (maximum dB) | 0.30 (SM APC)<br>0.45 (MPO) |
| Return Loss (minimum dB) | 65 (SM APC)<br>65 (MPO) |

**Environmental Specifications**

| Specification | Value |
|---|---|
| Free of halogen | Yes |
| 2011/65/EU RoHS | Fully Compliant |

## Ordering Information

| PPC Part Number | Description |
|---|---|
| ACTP6-1MMNC100 | Collector Terminal 072F Riser 100 ft Stub |
| ACTP6-1MMNC250 | Collector Terminal 072F Riser 250 ft Stub |
| ACTP6-1MMNC350 | Collector Terminal 072F Riser 350 ft Stub |
| ACTP6-1MMNC500 | Collector Terminal 072F Riser 500 ft Stub |
| ACTP6-2MMNC100 | Collector Terminal 072F Indoor/Outdoor 100 ft Stub |
| ACTP6-2MMNC250 | Collector Terminal 072F Indoor/Outdoor 250 ft Stub |
| ACTP6-2MMNC350 | Collector Terminal 072F Indoor/Outdoor 350 ft Stub |
| ACTP6-2MMNC500 | Collector Terminal 072F Indoor/Outdoor 500 ft Stub |
| ACTP12-1MMNC100 | Collector Terminal 144F Riser 100 ft Stub |
| ACTP12-1MMNC250 | Collector Terminal 144F Riser 250 ft Stub |
| ACTP12-1MMNC350 | Collector Terminal 144F Riser 350 ft Stub |
| ACTP12-1MMNC500 | Collector Terminal 144F Riser 500 ft Stub |
| ACTP12-2MMNC100 | Collector Terminal 144F Indoor/Outdoor 100 ft Stub |
| ACTP12-2MMNC250 | Collector Terminal 144F Indoor/Outdoor 250 ft Stub |
| ACTP12-2MMNC350 | Collector Terminal 144F Indoor/Outdoor 350 ft Stub |
| ACTP12-2MMNC500 | Collector Terminal 144F Indoor/Outdoor 500 ft Stub |

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