

BuildOpt™ Collector Plate Assembly



Features & Benefits

- Designed for Commercial and Residential MDU/MTU applications
- 72-fiber or 144-fiber cable options with six or twelve pre-terminated 12-fiber MPO male connectors
- Six or twelve 12-fiber MPO male connectors
- Riser and indoor/outdoor ribbon cable stub options with standard lengths up to 500 ft
- Low connector insertion loss and return loss
- Compliant with GR-3123-CORE
- UL and cUL listed
- Part of the Opterna splice-free plug-and-play PON solution



Overview

The BuildOpt™ Collector Plate Assembly is a collection point for plug-and-play fiber distribution terminals, enabling a complete fiber distribution system for FTTx networks in multi-dwelling or multi-tenant applications. The 72-fiber CPA has six MPO ports and the 144-fiber CPA has twelve MPO ports that connect to the 12-fiber cable tails from BuildOpt Terminals.

The CPA cable stub consists of bend-insensitive single mode ribbon fiber with riser or indoor/outdoor jackets. The CPA can be mounted onto any flat surface for enclosure-less or 3rd-party enclosure applications. Its metal mounting plate includes a ground connection and four mounting holes.

Technical Data

Mechanical Specifications

Specification	Value
Dimensions (W x H x D)	10.5 in x 9.0 in x 3.5 in (265 mm x 228 mm x 90 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)

Optical Specifications

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

BuildOpt™ Collector Plate Assembly



Technical Data

Environmental Specifications

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

Ordering Information

PPC Part Number	Description
AMCP6-1MMNC100	Assembly, Collector 072F Riser 100 ft Stub
AMCP6-1MMNC250	Assembly, Collector 072F Riser 250 ft Stub
AMCP6-1MMNC350	Assembly, Collector 072F Riser 350 ft Stub
AMCP6-1MMNC500	Assembly, Collector 072F Riser 500 ft Stub
AMCP6-2MMNC100	Assembly, Collector 072F Indoor/Outdoor 100 ft Stub
AMCP6-2MMNC250	Assembly, Collector 072F Indoor/Outdoor 250 ft Stub
AMCP6-2MMNC350	Assembly, Collector 072F Indoor/Outdoor 350ft ft Stub
AMCP6-2MMNC500	Assembly, Collector 072F Indoor/Outdoor 500 ft Stub
AMCP12-1MMNC100	Assembly, Collector 144F Riser 100 ft Stub
AMCP12-1MMNC250	Assembly, Collector 144F Riser 250 ft Stub
AMCP12-1MMNC350	Assembly, Collector 144F Riser 350 ft Stub
AMCP12-1MMNC500	Assembly, Collector 144F Riser 500 ft Stub
AMCP12-2MMNC100	Assembly, Collector 144F Indoor/Outdoor 100 ft Stub
AMCP12-2MMNC250	Assembly, Collector 144F Indoor/Outdoor 250 ft Stub
AMCP12-2MMNC350	Assembly, Collector 144F Indoor/Outdoor 350 ft Stub
AMCP12-2MMNC500	Assembly, Collector 144F Indoor/Outdoor 500 ft Stub