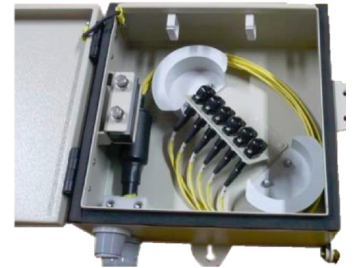


BuildOpt™ MT Collector Assembly



Features & Benefits

- Designed for Commercial and Residential MDU/MTU applications
- 72 fiber with six pre-terminated 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™ MT Collector 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. It has six pre-terminated 12-fiber MPO Male ports that connect to the 12-fiber cable tails from BuildOpt Terminals. The cable stub consists of bend-insensitive single mode ribbon fiber with riser or indoor/outdoor jackets.

Exterior features on this enclosure include a grounding bolt, integral wall-mount brackets and a door locking tab with a padlock provision. Its rugged metal enclosure includes watertight seals and glands to protect the internal connections. Cable management features ensure proper retention and placement of the fiber cables.

Two models are available: a 72-fiber MTCA with six MPO ports (12 fibers per MPO port), and a 96-fiber model with eight MPO ports. The 12-fiber cable tails from BuildOpt Terminals plug into the MTCA MPO ports. The MTCA cable stub consists of bend-insensitive single mode ribbon fiber with riser or indoor/outdoor jackets.

Technical Data

Mechanical Specifications

Specification	Value
Dimensions (W x H x D)	8.8 in x 8.8 in x 4.0 in (225 mm x 225 mm x 102 mm)
Material (steel)	Powder coated steel
Material (plastic)	94V-0 Valox Light Gray (RAL 7035)
Cable type	12 fiber ribbon, riser or indoor/outdoor
Cable diameter	0.50 in (12.7 mm)

Optical Specifications

Specification	Value
Fiber count	72 fibers
Fiber type	G.657.A1 bend-insensitive single mode ribbon
Insertion Loss (maximum dB)	0.30 (MPO)
Return Loss (minimum dB)	-65 (MPO)

BuildOpt™ MT Collector Assembly



Technical Data

Environmental Specifications

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

Ordering Information

PPC Part Number	Description
AMCM6-1MMNC100	MT Collector Assembly 072F Riser 100 ft Stub
AMCM6-1MMNC200	MT Collector Assembly 072F Riser 200 ft Stub
AMCM6-1MMNC300	MT Collector Assembly 072F Riser 300 ft Stub
AMCM6-1MMNC500	MT Collector Assembly 072F Riser 500 ft Stub
AMCM6-2MMNC100	MT Collector Assembly 072F Indoor/Outdoor 100 ft Stub
AMCM6-2MMNC200	MT Collector Assembly 072F Indoor/Outdoor 200 ft Stub
AMCM6-2MMNC300	MT Collector Assembly 072F Indoor/Outdoor 300 ft Stub
AMCM6-2MMNC500	MT Collector Assembly 072F Indoor/Outdoor 500 ft Stub