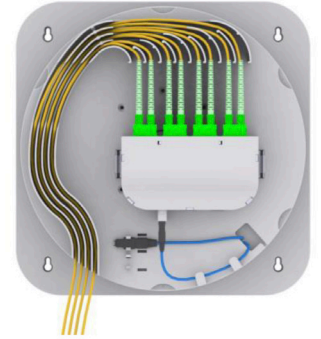


BuildOpt™ Terminal System Assembly



Features & Benefits

- Designed for Commercial and Residential MDU/MTU applications
- 12 port or 24 port options with one or two pre-terminated 12-fiber MPO tails and standard lengths from 100 ft to 1,000 ft
- Up to 800 ft of 12F Ribbon (400 ft each of two 12F Ribbon) cable storage on the spool
- 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
- Easy to install onto any flat surface or in any enclosure with key-hole mounts and integrated finger grip features
- Backward compatible with legacy BuildOpt™ Terminals and Collectors



Overview

The BuildOpt Terminal System Assembly (TSA) is an innovative solution for fiber distribution to living units in multi-dwelling or multi-tenant applications. The TSA features a rotating spool for fiber cable slack storage. After mounting the TSA, the installer simply pays out the desired length of fiber tail, utilizing the supplied pulling eye. The pre-terminated tail can then connect to any BuildOpt Collector Plate or Collector/Terminal Plate or directly to any Fiber Distribution Hub (FDH) with MPO ports.

TSA models are available with one or two 12-fiber tails of standard stub length (100, 250, 350, 500, 650, 800, or 1,000 ft) that provide the input connections for the 12-port/24-port SC module. Miniflex® cable is also available. The 12-port TSA can store one 12F ribbon cable tail up to 800 ft in length. The 24-port TSA can store two 12F ribbon cable tails up to 400 ft in length. Each 12-fiber ribbon cable tail is terminated with a low loss female MPO connector. Drop cables up to 4.8 mm in size are supported.

Technical Data

Mechanical Specifications

Specification	Value
Dimensions (W x H x D)	12.6 in x 12.6 in x 5.9 in (320 mm x 320 mm x 150 mm)
Material (all-plastic design)	94V-0 Valox Light Gray (RAL 7035)
Cable types	12 fiber single mode plenum ribbon cable; 12 fiber or 24 fiber single mode Miniflex round cable

Optical Specifications

Specification	Value
Fiber Type	G.657.B3 single mode ribbon plenum G.657.A1/A2 single mode round Miniflex cable
Insertion Loss (maximum dB)	0.20 (SM UPC) 0.30 (SM APC) 0.30 (MPO)
Return Loss (minimum dB)	-55 (SM UPC) -65 (SM APC) -65 (MPO)

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BuildOpt™ Terminal System Assembly



Technical Data

Environmental Specifications

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

Spool Information

12 Port Terminal	TSA Spool	Packaging Spool	24 Port Terminal	TSA Spool	Packaging Spool
One 12F Plenum Ribbon Cable 100 ft	100 ft	-	Two 12F Plenum Ribbon Cables 100 ft	100 ft	-
One 12F Plenum Ribbon Cable 250 ft	250 ft	-	Two 12F Plenum Ribbon Cables 250 ft	250 ft	-
One 12F Plenum Ribbon Cable 350 ft	350 ft	-	Two 12F Plenum Ribbon Cables 350 ft	350 ft	-
One 12F Plenum Ribbon Cable 500 ft	500 ft	-	Two 12F Plenum Ribbon Cables 500 ft	400 ft	100 ft
One 12F Plenum Ribbon Cable 650 ft	650 ft	-	Two 12F Plenum Ribbon Cables 650 ft	400 ft	250 ft
One 12F Plenum Ribbon Cable 800 ft	800 ft	-	Two 12F Plenum Ribbon Cables 800 ft	400 ft	400 ft
One 12F Plenum Ribbon Cable 1000 ft	800 ft	200 ft	Two 12F Plenum Ribbon Cables 1000 ft	400 ft	600 ft

Ordering Information

PPC Part Number	Description
ADTSA-1SAFM100	Terminal System Assembly (TSA) 12-port SC-APC to 100 ft Plenum Ribbon non-pinned MPO
ADTSA-1SAFM250	Terminal System Assembly (TSA) 12-port SC-APC to 250 ft Plenum Ribbon non-pinned MPO
ADTSA-1SAFM350	Terminal System Assembly (TSA) 12-port SC-APC to 350 ft Plenum Ribbon non-pinned MPO
ADTSA-1SAFM500	Terminal System Assembly (TSA) 12-port SC-APC to 500 ft Plenum Ribbon non-pinned MPO
ADTSA-1SAFM650	Terminal System Assembly (TSA) 12-port SC-APC to 650 ft Plenum Ribbon non-pinned MPO
ADTSA-1SAFM800	Terminal System Assembly (TSA) 12-port SC-APC to 800 ft Plenum Ribbon non-pinned MPO
ADTSA-1SAFM1000	Terminal System Assembly (TSA) 12-port SC-APC to 1000 ft Plenum Ribbon non-pinned MPO
ADTSB-1SAFM100	Terminal System Assembly (TSA) 24-port SC-APC to 100 ft Plenum Ribbon non-pinned MPO
ADTSB-1SAFM250	Terminal System Assembly (TSA) 24-port SC-APC to 250 ft Plenum Ribbon non-pinned MPO
ADTSB-1SAFM350	Terminal System Assembly (TSA) 24-port SC-APC to 350 ft Plenum Ribbon non-pinned MPO
ADTSB-1SAFM500	Terminal System Assembly (TSA) 24-port SC-APC to 500 ft Plenum Ribbon non-pinned MPO
ADTSB-1SAFM650	Terminal System Assembly (TSA) 24-port SC-APC to 650 ft Plenum Ribbon non-pinned MPO
ADTSB-1SAFM800	Terminal System Assembly (TSA) 24-port SC-APC to 800 ft Plenum Ribbon non-pinned MPO
ADTSB-1SAFM1000	Terminal System Assembly (TSA) 24-port SC-APC to 1000 ft Plenum Ribbon non-pinned MPO

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