



## OmniReach® FTTX Solutions

### Multiport Service Terminal (MST) with Splitter

CommScope's OmniReach® FTTX Solutions are the industry's first infrastructure solutions designed from the ground up to meet the unique requirements of FTTX networks. Designed for operational efficiency and scalability, OmniReach solutions simplify FTTX network installation, maintenance and management from the central office/headend to the outside plant.

The OmniReach Multiport Service Terminal (MST) with Splitter utilizes plug-and-play adapter ports and an integrated optical splitter to reduce outside plant cabling requirements, material and labor costs, and speeds drop connections in the final mile of the optical network.

The MST with Splitter input connects to a single outside plant fiber and splices to a 1x4 or 1x8 optical splitter in an environmentally sealed enclosure. The splitter outputs terminate to the back of the MST's hardened adapters, which enable up to 8 plug-and-play drop connections.

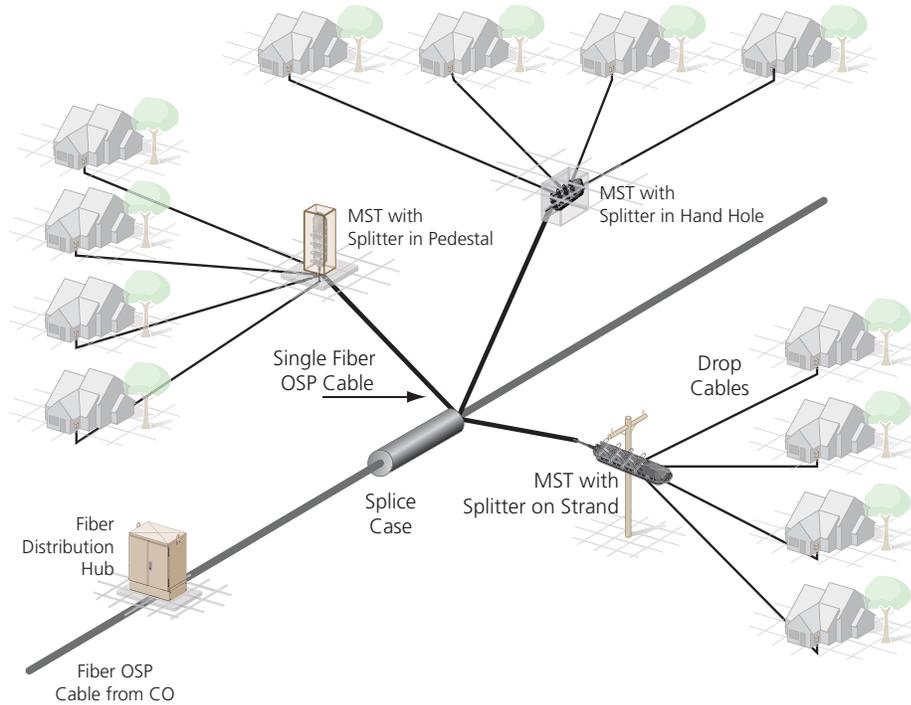
Designed with CommScope's hardened connector technology; the MST can withstand the toughest outside plant conditions—extreme temperature, moisture, UV and more. Used with factory-terminated drop cables, the MST with Splitter supports easy service turn ups, reconfigurations, and eliminates the need for splicing at the distribution side of the network.

The MST with Splitter promotes easy technician access and durable, reliable service connections for next generation networks.

### Benefits

- Value: Built-in splitter component increases subscriber capacity without the cost of deploying additional fiber
- Speed: Plug-and-play adapter ports ensure rapid cable installation in the outside plant access section of the network
- Reliability: Self-contained unit features hardened connectors for superior durability and long-lasting performance
- Savings: Connectorized solution enables fast service turn ups, reconfigurations, and lower labor costs
- Flexibility: Accommodates aerial, pole, pedestal or hand hole mount applications
- Protection: Designed to perform in extreme temperatures and harsh environmental conditions
- Compatibility: Interoperability with legacy full-sized hardened connectors

### MST with Splitter Offers a Value-Based Solution for Last Mile FTTP installs



### MST with Splitter 8-port Configuration

The multiport enclosure is designed for superior access and serviceability by providing two rows of four adjacent hardened adapters.



#### Features

- Available in 4 and 8 port configurations
- Distribution cable spliced to a 1x4 or 1x8 optical splitter
- Plug-and-play adapters provide quick, secure connections for fiber drops
- Factory sealed, hardened enclosure protects from moisture, UV, dust chemicals and extreme temperatures
- Universal mounting bracket promotes pole, pedestal or hand hole installations
- Re-enterable enclosures promotes easy technician access
- Superior cable management scheme ensures proper bend radius protection and prevents cable strain and kinks
- Available with dielectric and tunable input stub cables in standard lengths
- Compatible with legacy full-sized hardened connector systems
- Optional demarcation shield provides rugged protection and conceals fiber connections in aesthetic enclosure
- User-friendly packaging allows for easy un-spooling

## Universal Mounting Bracket

### Features

- Single bracket compatibility for all mounting schemes
- Designed to save time, cost and minimize complexities and logistics for installing MST equipment
- Snap-in/snap-out installation with single latch release makes MST readily available for drop cable connections/re-connections
- Bracket mounts separately to reduce risk of damage to MST
- Stands up to high vibration and stress by cables placed in the MST



## Ordering Information

MST - O X R H X O - X X X X U

### Terminal Model

J	8-Port (1 x 8 Splitter)
N	4-Port (1 x 4 Splitter)

### Connector Type

H	Hardened Connector Tail
O	Stub Tail

### Cable Type

A	Dielectric - Flat - Loose Tube
B	Locatable - Flat - Loose Tube

### Universal Mounting Bracket

### Cable Stub Length\*

0050	50 Feet
0100	100 Feet
0250	250 Feet
0500	500 Feet
0750	750 Feet
1000	1000 Feet
1500	1500 Feet
2000	2000 Feet

\*Cable lengths shown are for example; additional cable lengths are available in feet or meters upon request.

For information on hardened drop cables, refer to CommScope publication 106021AE.

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## Multiport Service Terminal (MST) with Splitter

### Specifications

#### Max. Dimensions

11" x 6" x 3.25" (L x W x H)  
(27.94 x 15.24 x 8.25 cm)

#### Optical Performance

Splitter Configurations	1x4	1x8
Max Loss*:	7.2 dB	10.2 dB
Typical Loss*:	6.6 dB	9.7 dB
Uniformity:	0.8 dB	1.0 dB
Return Loss:	≥55 dB	≥55 dB
Directivity:	≥60 dB	≥60 dB
PDL:	0.2 dB	0.2 dB
Wavelength Range:	1260-1635 nm	1260-1635 nm

#### Connector

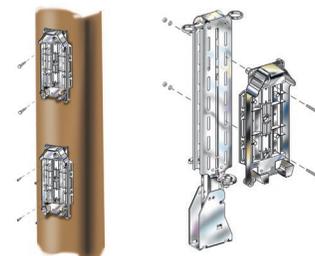
Insertion Loss: < 0.4 dB

#### Cable

Attenuation: 1310 nm = 0.40 dB/km max  
1550 nm = 0.30 dB/km max

Compliance: Meets GR-771 generic requirements for Fiber Splice Closures

\* Includes PDL and WDL. Does not include connector loss



Pole Mount Installation

Below Grade Installation



Aerial Mount Installation

### MST Accessories - Ordering information

Description	Catalog Number
<b>MST Cover;</b> Provides aesthetic appeal and protection to MST with Splitter connections. Tool-less design, quickly snaps over universal mounting bracket. Strap provides interface to lock or tether cover.	MST-CVR-4312
<b>Strand Mount Bracket;</b> Enables aerial mount installation of MST	MST-ACC-M02
<b>Hand Hole Kits</b>	
33.25" L x 22.50" W x 24.00" H kit with swing arm	MST-ACH-C730Y300
40.00" L x 28.50" W x 24.00" H kit with swing arm	MST-ACH-C436Y300



For information on available pedestals, please consult your local sales representative.



www.commscope.com

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