Multiport Service Terminals

North America

SPECIFICATIONS

The Multiport Service Terminal (MST) shall include models with 4, 8, and 12 ports. Each MST shall be configured for different deployment distances of 200 feet and 500 feet, catering to diverse network needs. Terminals shall be available in toneable and non-toneable models, enhancing flexibility for network diagnostics and maintenance. They shall be engineered for efficient fiber optic distribution, supporting scalable deployments in various environments such as underground, aerial, and surface-mounted setups, making them integral for expanding fiber-to-the-x (FTTx) networks.

Non-Toneable (Dielectric) Service Terminal	
4-port:	P-MST-4D-^
8-port:	P-MST-8D-^
12-port:	P-MST-12D-^
Toneable Service Terminal	
4-port:	P-MST-4T-^
8-port:	P-MST-8T-^
12-port:	P-MST-12T-^
Accessories	
Strand Mounting Bracket Kit:	P-MST-ASB

^Foot Lengths: 200 ft. and 500 ft.

TECHNICAL INFORMATION

Attributes:	Part Number	No. of Ports	Height in. (mm)	Width in. (mm)	Length in. (mm)
	P-MST-4*-^	4			11.12 (282.4)
	P-MST-8*-^	8	3.31 (84.1)	5.09 (129.5)	16.32 (414.5)
	P-MST-12*-^	12			21.53 (546.9)

*Add D for Dielectric/Non-Toneable or T for Toneable

Cable type:	Dielectric/Non-Toneable and Toneable
Cable stub length:	200 ft. - 500 ft. (60.96m - 152m)
Cable outer diameter:	Dielectric: 0.17 in. x 0.31 in. (4.3mm x 8.0mm)
	Toneable: 0.17 in. x 0.4 in. (4.3mm x 10mm)
Qualification standards:	IEC 60529, IP68 + 2 m Waterhead, Telcordia GR-3120-CORE, Telcordia GR-326-CORE, Telcordia GR-771-CORE
Flammability rating:	Designed to meet or exceed 94 5VA
Relative humidity:	5%-100%, condensing
Environmental space:	Above ground / Below ground
UV resistance:	UV Stabilized
RoHS compliance:	Compliant
Port type:	Hardened full-size SC/APC
Splitter:	Without Splitter
Mounting:	Handhole, Pedestal, Pole, Strand
Stub type:	Unterminated
Fiber type:	G.657.A1/A2
Operating wavelength range:	1260 nm - 1635 nm
Attenuation single ports (maximum):	0.4 dB
Attenuation cable coefficient (maximum):	0.30 dB/km@1550 nm 0.40 dB/km@1310 nm
Return loss, connector (typical):	-65 dB
Operating temperature:	-40°C to +70°C (-40°F to +158°F)
Color:	Black
Material:	Gasketed hardened plastic

KEY FEATURES AND BENEFITS

Hardened terminals:	Designed to withstand the harsh outside environment
Ease of use:	Smaller size terminal is ideal for tight spaces and are quick to install
Mounting options:	Handhole, pedestal, pole or strand
Cable options:	Flat dielectric, flat toneable
Port options:	4, 8 and 12

TAA Compliant

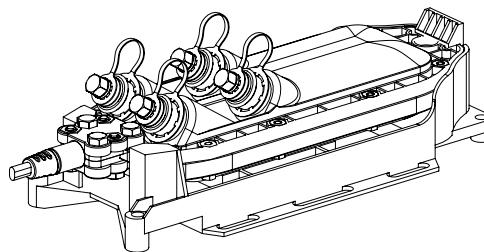**All Part Numbers Compliant with the U.S. Trade Agreements Act (TAA) for purchases shipped to the United States.**
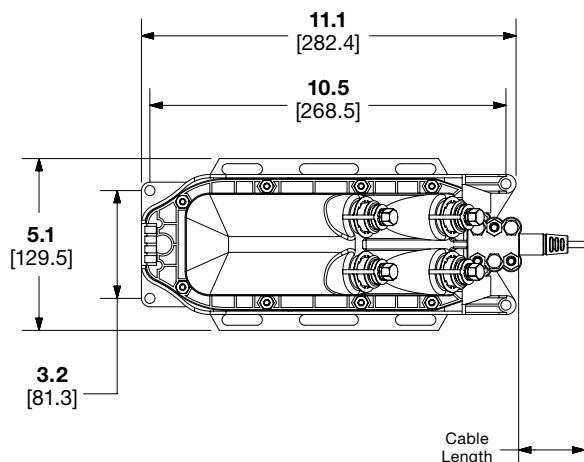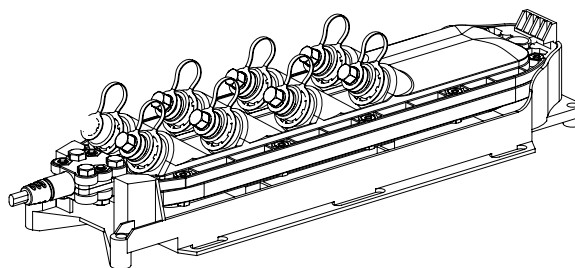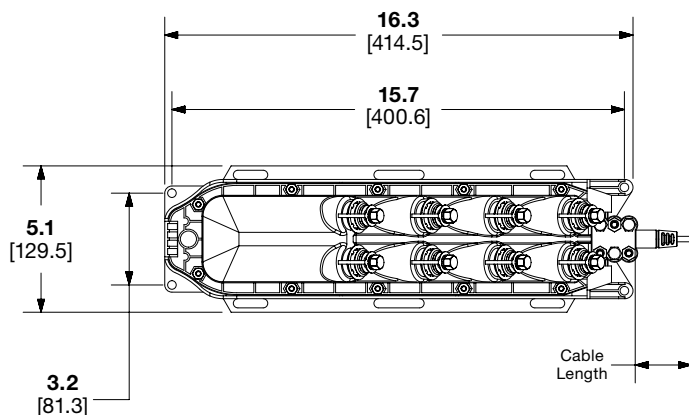
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APPLICATIONS

Multiport Service Terminals are designed for diverse telecommunications applications, accommodating 4, 8, and 12 ports with deployment lengths of 200 feet and 500 feet, suitable for toneable and non-toneable configurations. These terminals enhance the flexibility and reliability of fiber optic networks, supporting a wide range of fiber-to-the-x (FTTx) deployments. Their adaptability makes them ideal for both urban and rural network expansions, ensuring efficient connectivity solutions for service providers looking to upgrade or extend their infrastructure.

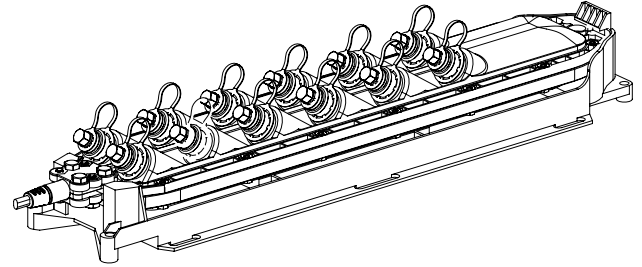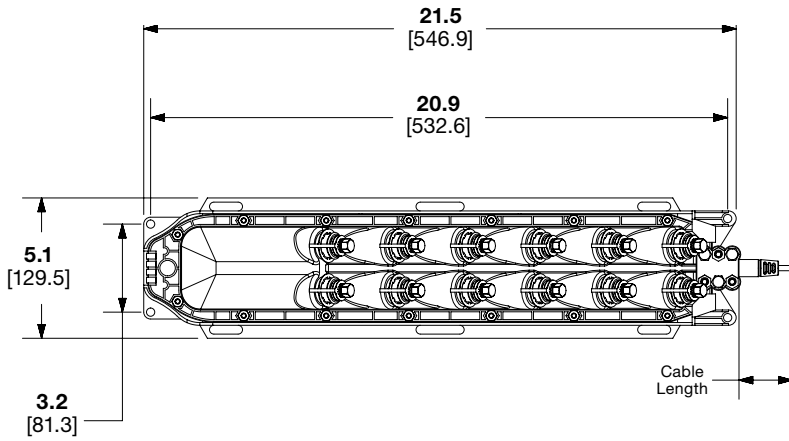## ENGINEERING DRAWINGS

P-MST-4D-^ and P-MST-4T-^

P-MST-8D-^ and P-MST-8T-^

ENGINEERING DRAWINGS (CONTINUED)

P-MST-12D-^ and P-MST-12T-^

21.5
[546.9]

20.9
[532.6]

5.1
[129.5]

3.2
[81.3]

Cable
Length

Dimensions are in inches. [Dimensions in brackets are metric].

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