

- Available in a variety of options (terminated, unterminated, point-to-point or MPO indexing)
- Hardened connectors are factory-terminated and environmentally sealed for use in optical drop cable deployments
- Plug-and-play adapter ports ensure rapid cable installation
- Incorporated hardened connector technology that is designed to withstand the rugged outside plant (OSP) environment

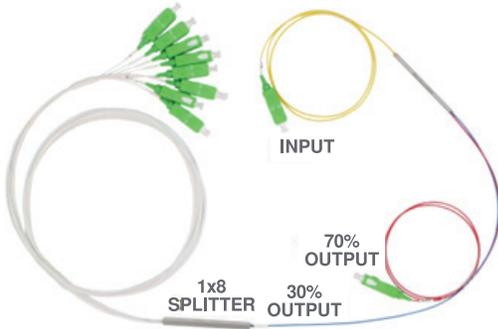


Other features

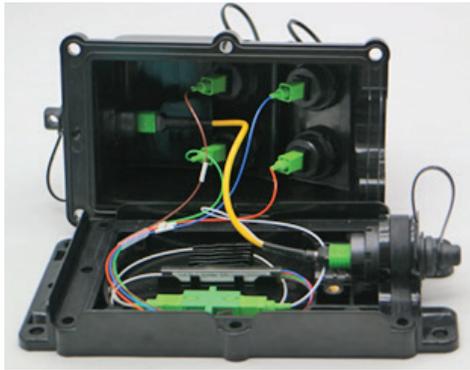
- IP68 rated, high quality, high performance connectors
- Flexible choice of ports: 2, 4, 6, 8, 12 or 16
- Mounting configurations: aerial, wall or buried
- Compatible with industry standard drop cables and connectors
- Option of factory spliced feed cable in MST or a female connector on MST for feed cable

Fiber optic multiport service terminals

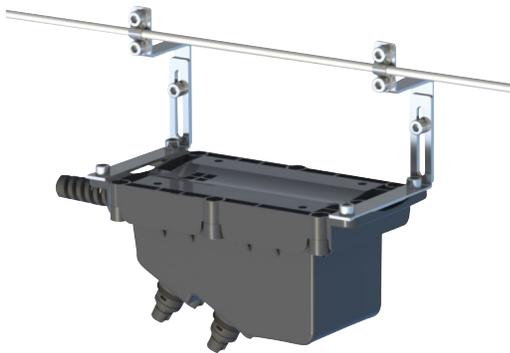
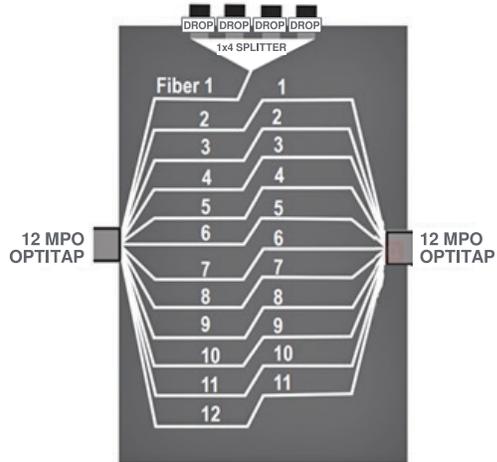
Technetix' FiberHub® multiport splitter service access terminals incorporate hardened adapters and enable rapid tower and indoor/outdoor fiber to the home (FTTH) deployments. Terminals are available in different configurations similar to an RF tap. LB-MSTs are available in terminated or unterminated, point-to-point or using MPO connections for indexing (add/drop-style) configurations. These terminals are IP68 rated to withstand the rigors of outdoor deployments in all environments. Terminals can be mounted in a vault, pedestal, pole or on a strand. Each terminal comes with a mounting kit allowing aerial mounting. For other types of mounting kits, please contact the factory.



Unterminated 8-port LB-MST 1x2 70/30 coupler with 1x8 splitter (LB-MST-108-70/30)



MPO indexing-style MST closure (LB-MST-xxx-MPO)



LB-MST aerial or strand mounting (kit included)

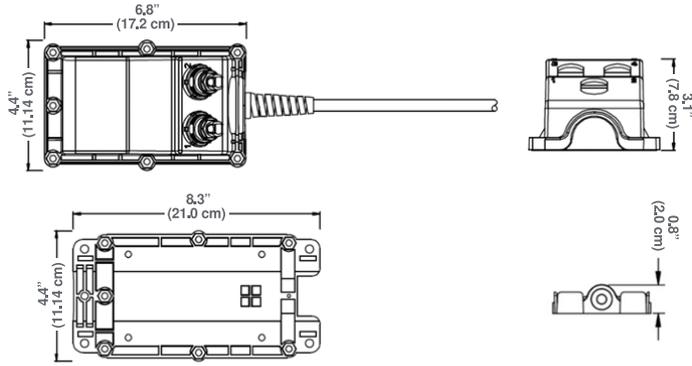


LB-MST pole mounting



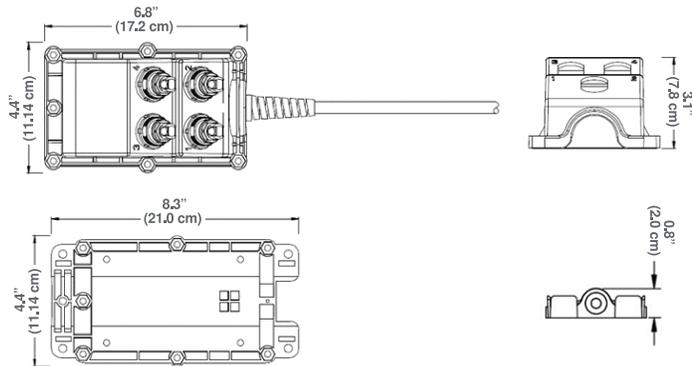
LB-MST wall mounting

Mechanical specifications diagram (2-port MST)



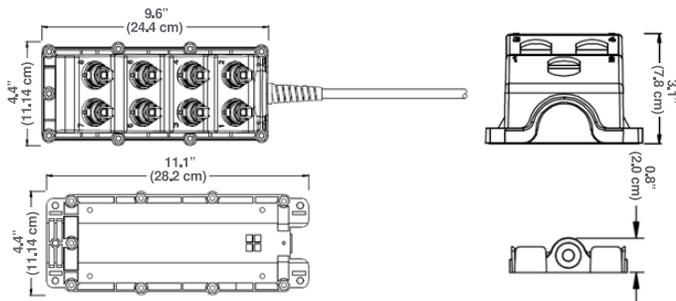
2-port, 4-port and 8-port
 LB-MST-70/30 and LB-MST-MPO
 (side views)

Mechanical specifications diagram (4-port MST)

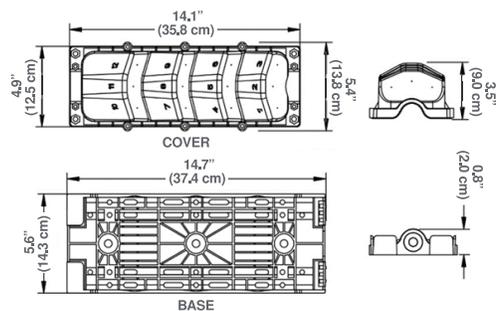


2-port, 4-port and 8-port
 LB-MST-T
 (side and front angled views)

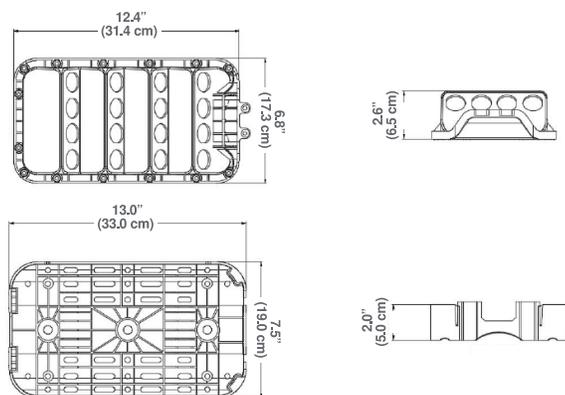
Mechanical specifications diagram (8-port MST)



Mechanical specifications diagram (12-port P2P MST)



Mechanical specifications diagram (16-port MST)



LB-MST / LB-P2P-MST device and performance specifications

Parameter	LB-MST / LB-P2P-MST series	Units	Notes
Ports	2, 4, 6, 8, 12 and 16		
IP rating	IP68		
Material	ML6411 reinforced polycarbonate + ABS and stainless steel 304		
RoHS compliant	Yes		
Connectors	SuperTap SC/APC connector or SuperTap MPO connector		
Entrance	SuperTap adapter		
Feed cable	1 core for MST, 12 core for MPO MST and 2, 4, 6, 8 or 12 core options for P2P-MST		
Feed cable length	Customizable - see ordering information. Also available without feed cable connected		
1x2 FBT 70/30 coupler	70% = 2.5 dB IL (max.); 30% = 6.5 dB IL (max.)		
1x2 PLC splitter	4.1 dB IL (max.)		
1x4 PLC splitter	7.4 dB IL (max.)		
1x8 PLC splitter	10.5 dB IL (max.)		
1x16 PLC splitter	14.5 dB IL (max.)		
1x2 FBT 70/30 coupler + 1x2 PLC splitter	70% output = 2.5 dB IL (max.) 30% drop + 1x2 PLC splitter output = 10.6 dB IL (max.)		
1x2 FBT 70/30 coupler + 1x4 PLC splitter	70% output = 2.5 dB IL (max.) 30% drop + 1x4 PLC splitter output = 13.9 dB IL (max.)		
1x2 FBT 70/30 coupler + 1x8 PLC splitter	70% output = 2.5 dB IL (max.) 30% drop + 1x8 PLC splitter output = 17.0 dB IL (max.)		
1x2 FBT 70/30 coupler + 1x16 PLC splitter	70% output = 2.5 dB IL (max.) 30% drop + 1x16 PLC splitter output = 21.0 dB IL (max.)		
Mounting method	Strand, pole, wall, handhole or pedestal		

Cable

Parameter	LB-MST / LB-P2P-MST series	Units	Notes
Cable type	Dielectric flat loose tube cable or round cable		
Cable size	4.5*8.1 mm (0.18**0.32") or 5.0 mm (0.2")	mm/in	
Cable length	See ordering information		
Feed cable	1 core for MST, 12 core for MPO MST and 2, 4, 6, 8 or 12 core options for P2P-MST		
Attenuation (max.)	@ 1310 nm	0.4	dB/km
	@ 1550 nm	0.3	dB/km
Directivity (max.)	60	dB	
Wavelength range	1260-1635	nm	
Insertion loss (max.)	SuperTap terminal connector	0.4	dB
Return loss (min.)	Connector	65	dB

Mechanical and environmental specifications

Parameter	LB-MST / LB-P2P-MST series	Units	Notes
Operating temperature	-40°C to +85°C (-40°F to +185°F)	°C/°F	
Dimensions (H x W x D)	2 ports	8.3"H*4.4"W*3.9"D (21.0H*11.14W*9.8D cm)	in/cm
	4 ports	8.3"H*4.4"W*3.9"D (21.0H*11.14W*9.8D cm)	in/cm
	8 ports	11.1"H*4.4"W*3.9"D (28.2H*11.14W*9.8D cm)	in/cm
	12 ports	14.7"H*5.6"W*4.3"D (37.4H*14.3W*11.0D cm)	in/cm
	16 ports	13.0"H*7.5"W*4.5"D (33.0H*19.0W*11.5D cm)	in/cm
Weight	2 ports	1.4 lb (0.6 kg)	lb/kg
	4 ports	1.7 lb (0.8 kg)	lb/kg
	8 ports	2.0 lb (0.9 kg)	lb/kg
	12 ports	4.7 lb (2.1 kg)	lb/kg
	16 ports	3.1 lb (1.4 kg)	lb/kg

Order information (LB-MST)

LB-MST	Port and splitter configuration	Splitter type	Feed cable length
LB-MST	xxx	x	xxxx
	102 = 2 ports with 1x2 splitter	T = Terminated	00000 = No feed cable
	104 = 4 ports with 1x4 splitter	70/30 = Underminated with a pass through coupled at 70/30 ratio	100F = 100' (30.5 m)
	108 = 8 ports with 1x8 splitter	MPO = Indexing MPO-style. 12 MPO connector for input and pass through	200F = 200' (61 m)
	108x2 = 16 ports with two 1x8 splitters ¹		300F = 300' (91.4 m)
	116 = 16 ports with 1x16 splitter		500F = 500' (152.4 m)
			600F = 600' (182.9 m)
			800F = 800' (243.8 m)
			1000F = 1000' (304.8 m)

Note

1 | This configuration only available with MPO indexing-style type

Examples

Part # LB-MST-102-T

2-port MST fiber hub enclosure terminated with a 1x2 PLC splitter

Part #LB-MST-104-70/30

4-port MST fiber hub enclosure with a 70/30 coupled output port and a 1x4 PLC splitter

Part # LB-MST-108-MPO

8-port MST fiber hub enclosure indexing-type with MPO input and output connectors and a 1x8 PLC splitter



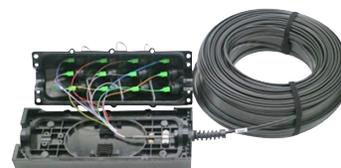
Terminated LB-MST with 1x2, 1x4 or 1x8 splitters (LB-MST-xxx-T)

Order information (LB-P2P-MST)

LB-P2P-MST	# of ports	Feed cable length
	xx	xxxx
	02 = 2 ports	100F = 100' (30.5 m)
	04 = 4 ports	200F = 200' (61 m)
	06 = 6 ports	300F = 300' (91.4 m)
	08 = 8 ports	500F = 500' (152.4 m)
	12 = 12 ports	600F = 600' (182.9 m)
		800F = 800' (243.8 m)
		1000F = 1000' (304.8 m)



LB-P2P-MST-12 port with cable feed



LB-P2P-MST-12 port with cable feed (open)

Example

Part # **LB-P2P-MST-12-100F**

Point-to-point MST fiber hub enclosure with 12 ports and 100' (30.5 m) length 12-fiber feed cable

Accessory ordering information (LB-FD feed and drop cables)

LB-FD	Cable type	Connector #1	Connector #2	Cable length
	x	ST	xx	xxxx
	X = 4.5*8.1 mm dielectric cable R = 5.0 mm round cable	ST = SuperTap SC/APC connector	00 = No connector (pigtail) ST = SuperTap SC/APC connector SA = Standard SC/APC connector	50F = 50' (15.2 m) 100F = 100' (30.5 m) 200F = 200' (61.0 m) 300F = 300' (91.4 m) 400F = 400' (121.9 m) 500F = 500' (152.4 m) 600F = 600' (182.9 m) 800F = 800' (243.8 m) 1000F = 1000' (304.8 m)

Example

Part # **LB-FD-X-ST-00-100F**

4.5*8.1 mm dielectric flat drop cable with SuperTap SC/APC connector on one end, other end unterminated, 100' (30.5 m) length, for use with LB-FST and LB-MST

Accessory ordering information (LB-MPOC indexing-style feed cables)

LB-MPOC	Connector #1	Connector #2	Cable length
	xxxxx	xxxxx	xxxx
	STMPO = SuperTap MPO connector male STMPOF = SuperTap MPO connector female	STMPO = SuperTap MPO connector male STSA = 12 standard SC/APC connectors	50F = 50' (15.2 m) 100F = 100' (30.5 m) 200F = 200' (61.0 m) 300F = 300' (91.4 m) 400F = 400' (121.9 m) 500F = 500' (152.4 m) 600F = 600' (182.9 m) 800F = 800' (243.8 m) 1000F = 1000' (304.8 m)

Example

Part # **LB-MPOC-STMPO-STSA-100F**

12-fiber cable with SuperTap MPO male connector on one end, to 12-fiber standard SC/APC connectors on other end, 100' (30.5 m) length, for use with LB-MST