technetix

LB-MPOC series

Technetix' pre-terminated outside plant (OSP) cables provide easy fiber to the x (FTTx) installation and termination using existing hardware and installation methods for drops to homes and businesses. It is designed for rapid connection to external flush-mounted bulkhead adapters on terminals or closures.

The ruggedized SuperTap MPO connector is an OSP hardened connector suitable for use in both indoor and outdoor applications. The hardened 12-fiber cable assembly is specifically designed to significantly reduce the time and effort required for cable installation and provide quick and reliable connections.
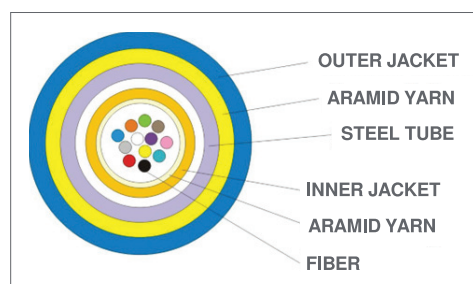
SuperTap 12-fiber MPO to 12 standard SC/APC cable

FEATURES

- Smaller profile and reduced bend radius
- Robust design keeps connector intact during installation
- Integral pulling eye/connector cap designed for 100 lb maximum pulling tension
- Hybrid (one end with a SuperTap 12-fiber MPO connector and other end with 12 standard SC/APC connectors or SuperTap 12-fiber MPO connector on both ends)

- Designed for aerial, direct-buried or duct installation
- Outdoor round armored cable for filed assembly and forced pulling
- Both male and female connector options available

FIBER BLOCK DIAGRAM

OUTER JACKET
ARAMID YARN
STEEL TUBE
INNER JACKET
ARAMID YARN
FIBER

SuperTap 12-fiber MPO to SuperTap 12-fiber MPO cable

SPECIFICATIONS

Parameter		Specification
Number of Fibers		12
Fiber Type		G657A1 & G657A2
Outer Sheath	Material	Low smoke zero halogen (LSZH)
	Color	Black
Armor		Stainless steel
Cable Length		Customized
Connector A		MPO SuperTap connector
Connector B		Standard SC/APC or SuperTap MPO connector
SC/APC Connectors Insertion Loss	Typical	≤ 0.20 dB
	Typical (Max.)	≤ 0.30 dB
OptiTap MPO Insertion Loss		≤ 0.70 dB
Return Loss		≥ 55.0 dB

SPECIFICATIONS CONT'D.

Parameter		Specification
Mechanical		
Bending Radius (Min.) (mm)	Long-term	15D
	Short-term	30D
Allowable Tensile Strength (N)	Long-term	1000
	Short-term	2000
Crush Load (N/100 mm)	Long-term	600
	Short-term	1200
Environmental & Physical		
Installation Temperature		-20°C to +60°C (-4°F to +140°F)
Operating & Transport Temperature		-40°C to +85°C (-40°F to +185°F)
Dimensions		0.2" (4.5 mm) cable radius; 0.4" (9.0 mm) diameter

ORDERING INFORMATION

		Connector #1		Connector #2		Cable Length
LB-MPOC	-	**xxxxx**	-	**xxxx**	-	**xxxx**
		STMPO = SuperTap MPO connector male		STMPO = SuperTap MPO connector male		50F = 50' (15.2 m)
		STMPOF = SuperTap MPO connector female		STSA = 12 standard SC/APC connectors		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