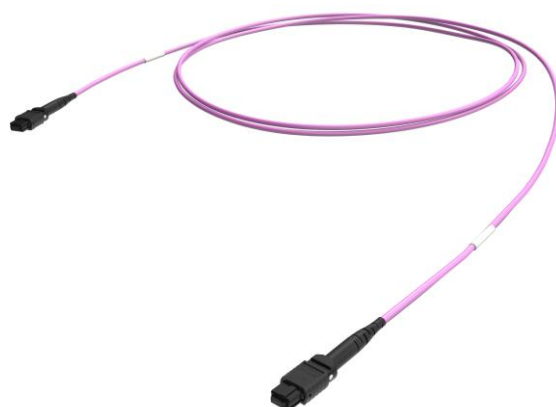# fiberlab

1XMTP(16)/1XMTP(16) 16F CABLE ASSEMBLY

APPLICATIONS

- Data Center;
- Storage Area Network;
- Short and medium distance connections within a single rack;
- High density structured cabling applications.

PRODUCT FACTS

High quality cable assembly with Female/Male MTP(16)® Connectors. Utilizing the same external footprint as a 12-fiber MT ferrule and a higher fiber count, this connector offers higher fiber density. Opens new possibilities to use this interface for the rising 400G applications where return loss specification is really critical.

PRODUCT SPECIFICATIONS

CABLE PARAMETERS	
Fiber Count	16
Cable Construction	Round cable
Jacket Material	FRNC compound
Jacket Colour	SM Yellow or MM Aqua (OM3)/Heather violet (OM4)
Fiber Type	SM (OS2) or MM (OM3/OM4)
Outer Diameter	3,0 mm
CONNECTORS PARAMETERS	
Interface, Connector A	MTP16 SM / MTP16 MM PC / MTP16 MM APC
Interface, Connector B	MTP16 SM / MTP16 MM PC / MTP16 MM APC
Compliance, Connector A	IEC 61754-7-3; 61754-7-4, TIA 604-18
Compliance, Connector B	IEC 61754-7-3; 61754-7-4, TIA 604-18
Colour, Connector A	SM Green (APC) or MM Aqua (OM3)/Black or Heather violet (OM4)
Colour, Connector B	SM Green (APC)/Blue (UPC) or MM Aqua (OM3)/Heather violet (OM4)
Colour, Boot Connector A	Black (SM, MM PC) or White (MM APC)
Colour, Boot Connector B	Black (SM, MM PC) or White (MM APC)
Polish type, Connector A	MM Flat (PC) / MM Angled (APC) / SM Angled (APC)
Polish type, Connector B	MM Flat (PC) / MM Angled (APC) / SM Angled (APC)
Insertion Loss, Connector A, max	< 0,35 dB @850/1300 nm for MM; @1310 nm for SM (According to IEC 61300-3-4, Method B)
Insertion Loss, Connector B, max	< 0,35 dB @850/1300 nm for MM; @1310 nm for SM (According to IEC 61300-3-4, Method B)
Return Loss, Connector A, min	> 20 dB @850/1300 nm for MM; > 50 dB @850/1300 nm for MM APC; > 50 dB @1310/1550 nm for SM (According to IEC 61300-3-6)
Return Loss, Connector B, min	> 20 dB @850/1300 nm for MM; > 50 dB @850/1300 nm for MM APC; > 50 dB @1310/1550 nm for SM (According to IEC 61300-3-6)
Connector A, quantity	1
Connector B, quantity	1

Polarity	Type B
TEMPERATURE RANGE	
Installation	- 5°C +50 °C
Operation	- 10°C +70 °C
Storage	- 25°C +70 °C
IDENTIFICATION	
	Traceability label with unique serial number on both ends of cable assembly. Batch and product number with barcode on packaging label.
PACKAGING	
	Each cable assembly in sealed LDPE bag with zip-lock. Main transport package is a cardboard box.