

MTP®/MPO

TRUNK & HARNESS CABLE ASSEMBLIES

High-Density. Ultra-Low Loss. Built for AI Data Centers.

AICOVEX MTP® cable assemblies deliver high-performance, high-density fiber connectivity designed for AI clusters, data centers, and next-generation Ethernet networks.



<p>LOW LOSS ≤0.35dB ELITE PERFORMANCE</p>	<p>HIGH DENSITY 12F-144F MULTI-FIBER OPTIONS</p>	<p>FUTURE READY 400G / 800G 1.6T AI & HYPERSCALE READY</p>
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<p>Ultra-Low Loss ≤0.35dB Elite</p>	<p>12F to 144F Fiber Count</p>	<p>Method B Polarity</p>	<p>OM4 / OM5 OS2</p>	<p>OFNP / LSZH Jacket</p>	<p>100% Tested IL / RL</p>	<p>Plug & Play Deployment</p>
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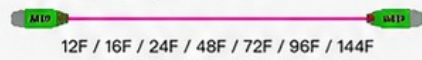
FEATURES

- MTP® Elite connectors for low insertion loss
- 12F, 16F, 24F, 48F, 72F, 96F, 144F options
- OM4, OM5 multimode and OS2 singlemode fiber
- Method B polarity (custom polarity available)
- Ultra-low loss ≤0.35dB (Elite), ≤0.50dB (Standard)
- Bend-insensitive fiber for tight radius routing
- OFNP / LSZH jacket for high safety standards
- 100% factory tested for IL & RL
- RoHS compliant



CONFIGURATIONS

TRUNK CABLE (MTP to MTP)



HARNESS / BREAKOUT CABLE



- 1xMTP® to 6x LC Duplex (12F)
- 1xMTP® to 8x LC Duplex (16F)
- 2xMTP® to 8x LC Duplex (16F)

ORDERING INFORMATION

Product Series	Cable Type	Fiber Count	Fiber Type	Polarity	Connector A	Connector B	Length (m)	Jacket	IL (dB)	Grade
AICOVEX-MTP	TRUNK (MTP-MTP)	12 / 16 / 24 / 48 / 72 / 96 / 144	OM4 / OM5 / OS2	B (Std.) / Custom	MTP® (Male/Female) (Elite)	MTP® (Male/Female) (Elite)	1 - 500	OFNP / LSZH	≤0.35 (Elite)	Elite / Standard
	HARNESS (MTP-LC)	8F / 12F / 16F / 24F / 32F / 48F	OM4 / OM5 / OS2	B (Std.) / Custom	MTP® (Male/Female) (Elite)	LC Duplex (UPC)	1 - 100	OFNP / LSZH	≤0.35 (Elite)	Elite / Standard

AICOVEX reserves the right to change product specifications without notice.

APPLICATIONS

- AI Clusters & GPU Interconnects
- 400G / 800G / 1.6T Ethernet Networks
- Spine-Leaf Network Connectivity
- High-Density Patch Panels & FVP
- Data Center Structured Cabling
- Storage Networks & SAN
- Cloud & Hyperscale Infrastructure

PRODUCT DESCRIPTION

AICOVEX MTP® cable assemblies are designed to meet the demanding performance and reliability requirements of modern AI and hyperscale data centers. Available in trunk cables and harness (breakout) configurations, they provide flexible, scalable, and high-density connectivity for 400G, 800G and 1.6T applications.

Every assembly is manufactured with premium components and tested to ensure consistent low loss and high return loss performance in mission-critical environments.

TYPICAL APPLICATIONS

<p>Spine-Leaf Connectivity</p>	<p>GPU Cluster Interconnect</p>	<p>High-Density Patch Panels</p>	<p>400G / 800G / 1.6T Transceiver Links</p>
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