

PRODUCT DATA SHEET

Pre-terminated Fibre MPO Fibre Solution

Introduction :

Our MPO connectivity range is designed to deliver high-performance, high-density fibre solutions for modern data centre and enterprise environments. We offer MPO to MPO trunk cables for quick, efficient backbone installations, as well as MPO to LC fan-out cables for seamless transitions to standard LC based equipment. Available in both multimode (OM3/OM4) and single-mode (OS2) variants, our assemblies support 12-fiber and 24-fiber configurations to meet a wide range of bandwidth and scalability requirements.

Applications:

Our MPO-MPO Trunk cable and MPO-LC fan-out cables are ideal for the following applications :

Data Centres : These cables provide a compact and efficient solution for high-density fibre connections in data centres, facilitating easy and organized network expansion and maintenance.

Telecommunication Hubs : Ensuring robust and reliable connectivity, our fan-out cables are perfect for telecommunication hubs requiring high-performance fibre connections.

High-Density Fiber Environments : In scenarios where maximizing fibre density is crucial, our fan-out cables allow for efficient fibre management without compromising on performance.

Benefits :

Our MPO-MPO Trunk Cable and MPO-LC simplex and duplex fan-out cables offer numerous benefits tailored to meet the diverse needs of modern fibre optic infrastructures :

Versatile Configurations :

- Available in both 12-fiber (12F) and 24-fiber (24F) configurations, these cables cater to varying density requirements.
- Support for both simplex and duplex connections provides flexibility in network design and deployment.

Single-Mode and Multi-Mode Options :

- Single-Mode Fibers: Ideal for long-distance transmission, ensuring minimal signal loss and high-speed data transfer over extended distances.
- Multi-Mode Fibers: Perfect for shorter distances, offering cost-effective and efficient data transfer within data centres and other confined spaces.

High Performance :

- Our MPO cables ensure high performance with low insertion loss and excellent return loss, maintaining signal integrity and network reliability.
- The use of high-quality materials and precision manufacturing processes guarantees optimal performance and longevity.

Ease of Installation and Maintenance :

- The MPO design simplifies cable management and reduces the time and effort required for installation and maintenance.
- Pre-terminated connectors ensure a plug-and-play solution, minimizing downtime and simplifying network upgrades and expansions.

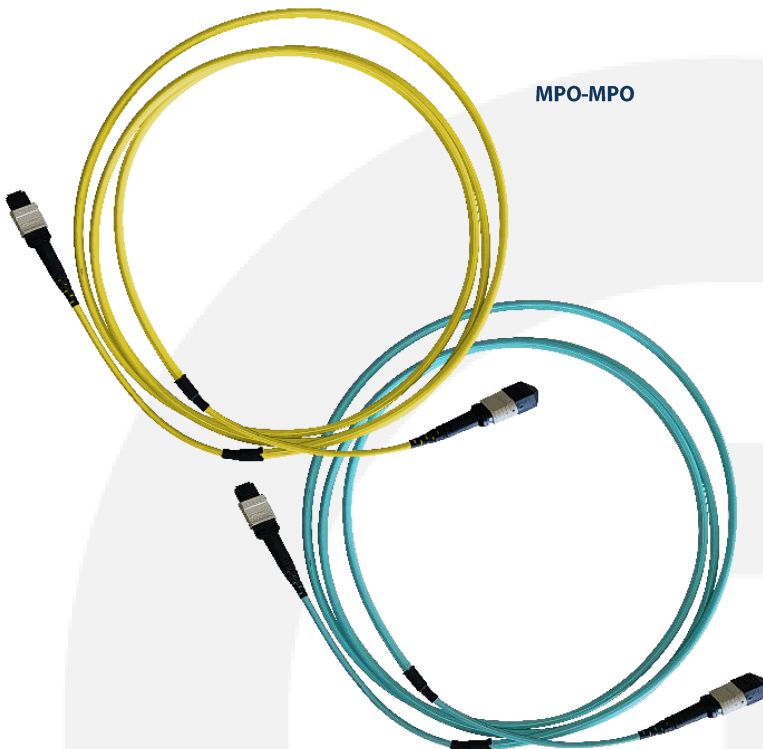
Enhanced Cable Management :

- The compact and organized design of our MPO cables facilitates efficient cable management, reducing clutter and minimizing the risk of damage or signal interference.
- Color-coded connectors and cables make identification and troubleshooting easier, enhancing overall network management.

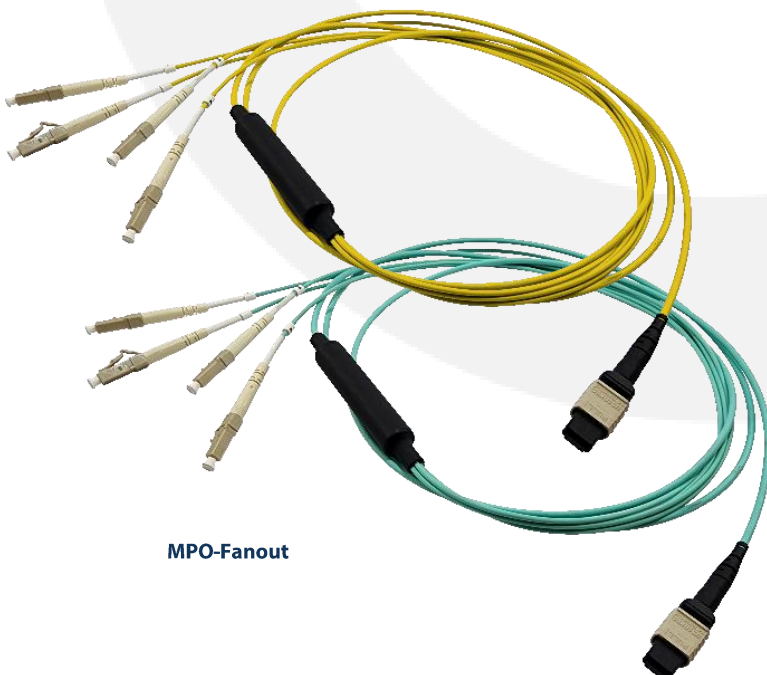
Scalability :

- Our MPO cables provide a scalable solution that can grow with your network, allowing for easy addition of fibres as your connectivity needs increase.
- The flexibility in configurations and fibre types ensures that our cables can adapt to evolving network requirements.

MPO-MPO



MPO-Fanout

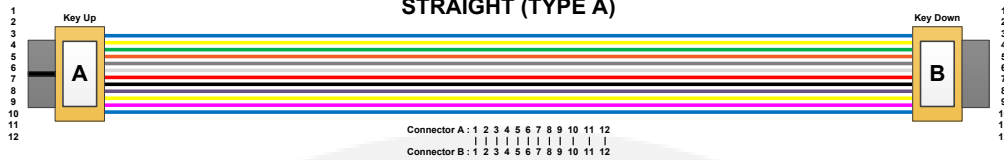


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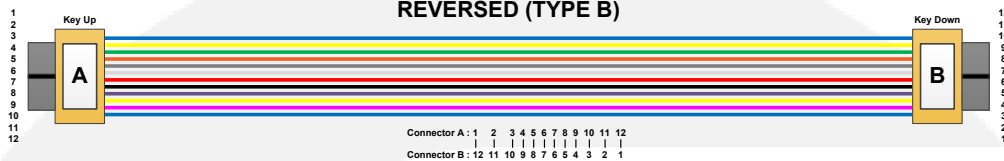
Pre-terminated Fibre MPO Fibre Solution

MPO-MPO

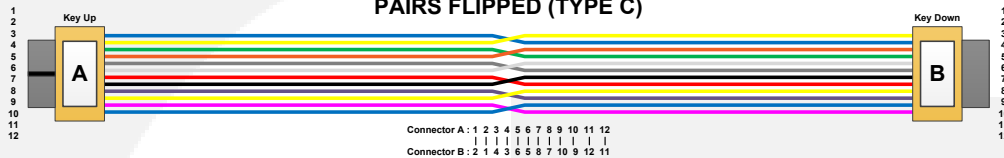
STRAIGHT (TYPE A)



REVERSED (TYPE B)



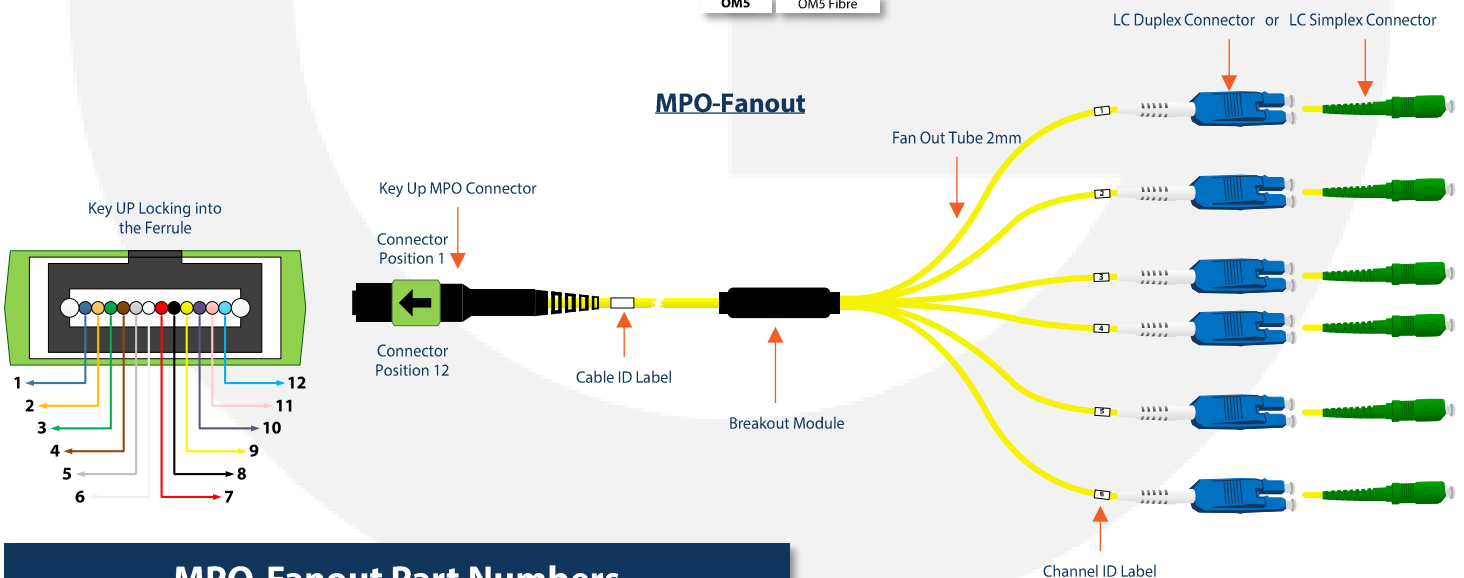
PAIRS FLIPPED (TYPE C)



MPO-MPO Part Numbers

Globalsix		Trunk		No. of Fibres		Polarity		Fibre Type		Connector Gender		Pulling Eye		Cable Length	
G6	Globalsix	T	Trunk	12	12-Fibres	A	Polarity-A	OS2	OS2 Fibre	M	Male	OS2	Pulling Eye	6	6 Meters
				24	24-Fibres	B	Polarity-B	OM3	OM3 Fibre	F	Female	OM3	No Pulling Eye		
						C	Polarity-C	OM4	OM4 Fibre						
								OM5	OM5 Fibre						

MPO-Fanout



MPO-Fanout Part Numbers

Contact Globalsix Sales Office

Conclusion :

Our MPO-MPO to MPO-LC simplex and duplex fan-out cables are designed to meet the high-performance demands of modern data centres, telecommunication hubs, and high-density fibre environments. With versatile configurations, support for single-mode and multi-mode fibres, and numerous benefits including high performance, ease of installation, and enhanced cable management, our fan-out cables provide a reliable and efficient solution for today's complex networking needs. Whether for long-distance transmission or high-density short-range applications, our fan-out cables ensure seamless connectivity and optimal network performance.

Globalsix - Johannesburg

82 Schooner Street,
Laser Park,
Johannesburg,
South Africa

Contact No : +27 (0) 11 794 8301

Globalsix - Cape Town

Unit 1, Garnet Park,
6 Drill Avenue,
Montague Gardens,
Cape Town

Contact No : +27 (0) 21 555 2594