

Future proofing enterprise networks

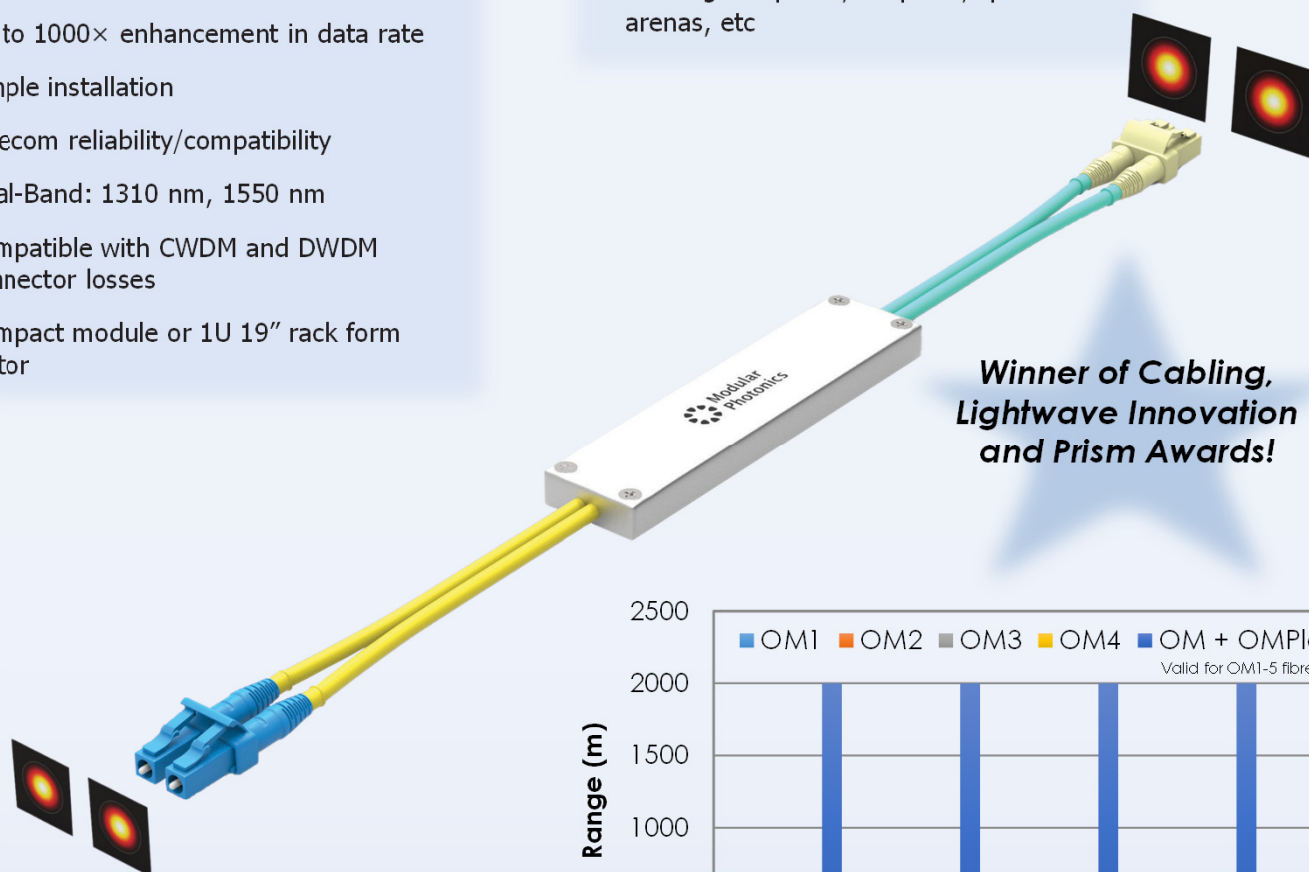
OM Plex Pro Series

Key Features

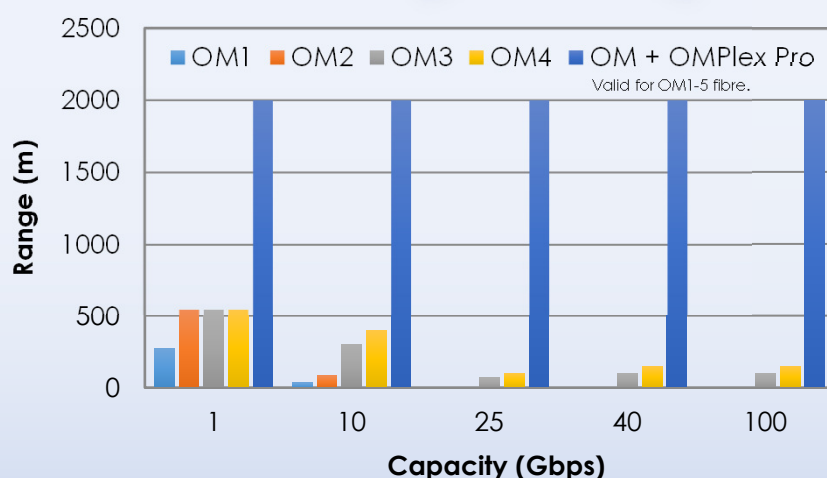
- Cost-effective alternative to recabling for future-proofing multimode fibre networks
- Single-mode performance across legacy OM multimode fibre
- Up to 1000× enhancement in data rate
- Simple installation
- Telecom reliability/compatibility
- Dual-Band: 1310 nm, 1550 nm
- Compatible with CWDM and DWDM connector losses
- Compact module or 1U 19" rack form factor

Applications

- Retrofitting OM1-5 multimode fibre networks
- Enterprise networks, data centres, multi-building campuses, hospitals, sports arenas, etc



**Winner of Cabling,
Lightwave Innovation
and Prism Awards!**

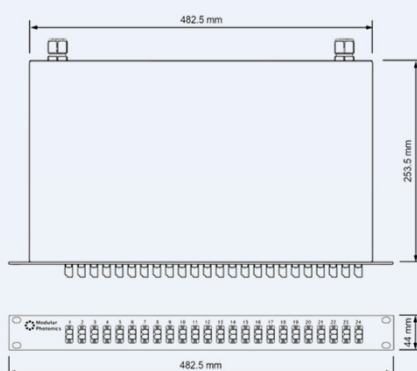


OM Plex Pro - Single-mode performance without recabling

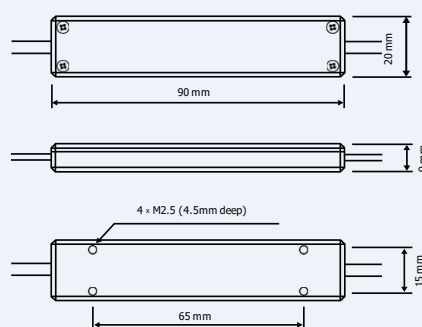
Connecting OM Plex Pro devices to the ends of legacy OM multimode fibre enables single-mode fibre performance of up to 100 Gbps. OM Plex by Modular Photonics future proofs your optical fibre networks without recabling, allowing for state-of-the-art data rates and transmission ranges. OM Plex devices provide ease of installation and telecom grade reliability.

Specifications

OMPlex Pro performance has been validated using up to 100G-LR4 transceivers. The device uses high-precision connectors, or can be spliced directly onto OM fibre.



OMPlex Pro 48-Core 1U 19" Rack



OMPlex Pro 2-Core Module

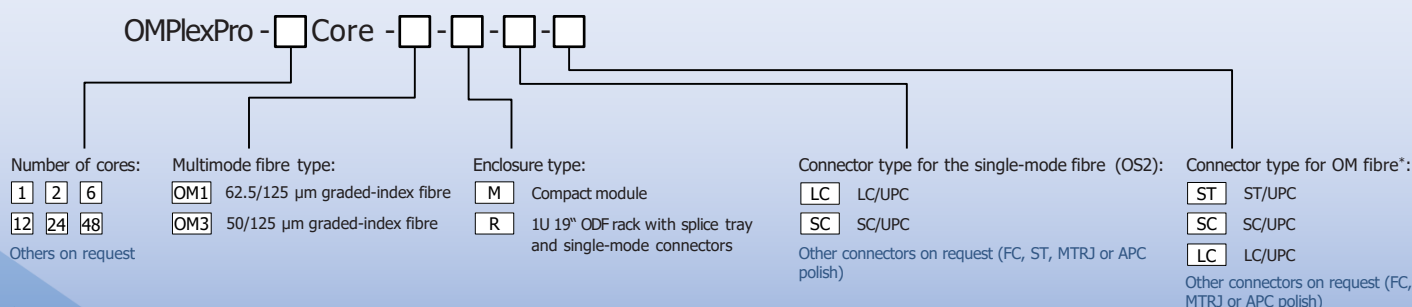
Parameter	1310 nm*	1550 nm*
Typical back-to-to back insertion loss**	< 1.6 dB	< 1.7 dB
Maximum back-to-back insertion loss**	2.0 dB	2.0 dB
Typical single-end insertion loss	0.4 dB	0.4 dB
Multipath interference coefficient (mode purity)	< -28 dB	< -28 dB
Operating temperature		-5 to 70 °C
Storage temperature		-40 to 85 °C
Maximum input power		300 mW
Humidity range		5 to 85%
Compatibility		IEC 60793, IEC 61754

*Valid for any multimode fibre type (OM1-5).

**Using fibre connectors between devices

Note: Only the module type enclosure can be equipped with connectors on the multimode fibre. The rack mount version is splice-only and only has connectors on the single-mode fibre feed.

Part Ordering



*Only the module type enclosure can be equipped with connectors on the multimode fibre. The rack mount version is splice-only and does not come with connectors.

Note: The default fibre length is 1.4 m on the single-mode and multimode side of the device, respectively.