

*Future proofing enterprise networks*

## OMPlex Series

### Key Features

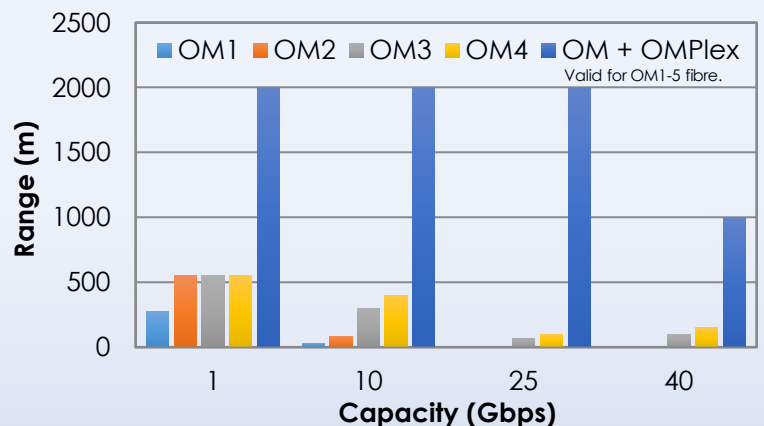
- Cost-effective alternative to recabling for future-proofing multimode fibre networks
- Single-mode performance across legacy OM multimode fibre
- Up to 400× enhancement in data rate
- Simple installation
- Telecom reliability/compatibility
- Dual-Band: 1310 nm, 1550 nm
- Insensitive to connector losses
- 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!**



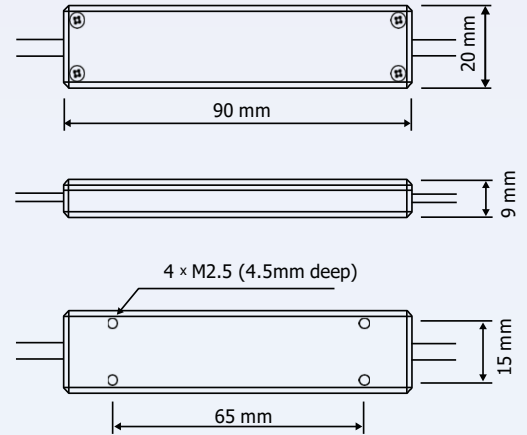
## OMPlex - Single-mode performance without recabling

Connecting OMPlex devices to the ends of OM multimode fibre enables single-mode fibre performance of up to 40 Gbps to be realized across legacy multimode fibre. OMPlex by Modular Photonics allows for future-proofing your optical fibre networks without recabling, allowing for state-of-the-art data rates and transmission ranges. OMPlex devices provide ease of installation and telecom grade reliability.

## Future proofing enterprise networks

### Specifications

By connecting OMplex devices across legacy multimode fibre, state-of-the-art single-mode transceivers with multimode fibre compatible Rx port can be operated across the legacy multimode fibre network. This can improve capacity and transmission reach by up to 400x. The OMplex series is suitable for OM1, 2, 3, 4 and 5 fibre. The device is compatible with 1000BASE-LX/LH, 10GBASE-LRM, 10GBASE-LR and 40GBASE-LX4 transceivers and others. The technology uses high-precision connectors, or can be spliced directly onto OM fibre. OMplex is recommended for fibre links where connector losses are high.



**OMplex 2-Core Module**

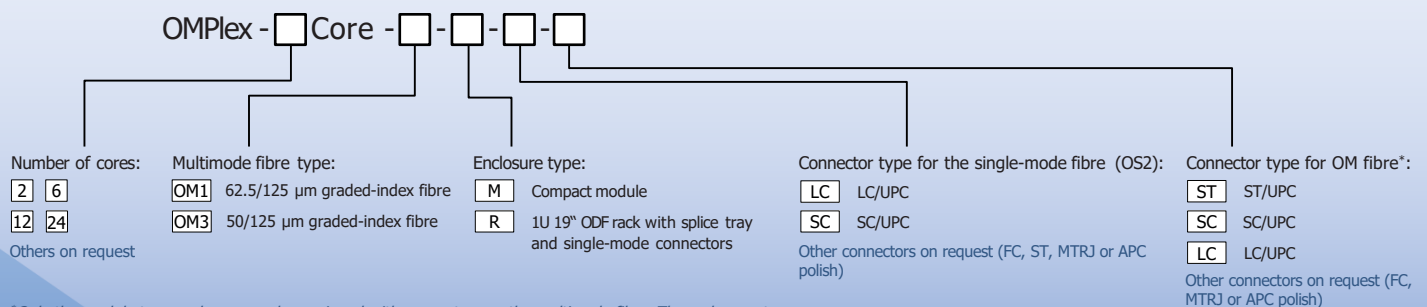
Parameter	1310 nm*	1550 nm*
Maximum back-to-back insertion loss**	<0.7 dB	<0.7 dB
Typical single-end insertion loss	0.4 dB	0.4 dB
Maximum single-end insertion loss	0.5 dB	0.5 dB
Operating temperature		-5 to 70 °C
Storage temperature		-40 to 85 °C
Maximum input power		300 mW
Humidity range		5 to 85%
Compatibility		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.