

Product Brochure



Encapsulated and Moulded Products



Teledyne Impulse-PDM offers advanced moulding and encapsulation services for electrical, optical, and mechanical components.

Capabilities:

- Encapsulation and Moulding using Polyurethane, Polyethylene and Epoxies
- Intricate Moulds from 10mm to 2m
- Vacuum and Pressure encapsulation using custom designed tooling
- Potting and Moulding using transparent or coloured materials

Applications:

- Ruggedisation and Waterproofing of cable assemblies
- Mechanical and Moisture Protection of PCB's and other sensitive devices
- Encapsulated Transducer elements and arrays

Our ISO-certified processes ensure rapid turnaround and superior quality for demanding environments.

Cable Assemblies

Teledyne PDM delivers precision-engineered cable assemblies designed for the most demanding conditions, including subsea applications.

Key Features:

- Over 20 years of expertise in mould design and elastomer processing
- Electrical and fibre optic assemblies for harsh environments
- Full design and manufacturing service or client-specified builds
- Quality assured under BS EN ISO 9001:2000

Connector Options:

- Dry Mate Metal Shell Connectors
- Splash Mate Neoprene and Polyurethane Connectors
- Underwater Mated Neoprene Connectors

From simple terminations to complex multi-way assemblies, we ensure durability and performance where it matters most.



Omega

The Omega Series combines electrical and optical circuits in a single connector, delivering robust performance for subsea applications.

Specifications:

- Depth rating: 5,000m • Electrical: 12A @ 600 VDC
- Insertion loss of <0.5 dB @ 1310nm and 1550nm for single mode
- Insertion loss of <0.5dB ~ 850nm and 1300nm for Multimode
- Circuits: 4 or 7 Way with mixture of Electrical and Optical (4 x Max) contacts

Materials:

- Stainless steel (316L) electro-polished for corrosion resistance
- Titanium is available on request
- Supplied with PDM205 Cable



Omicron

Omicron connectors deliver small form factor optical solutions for subsea systems, supporting single-mode and multi-mode fibers.

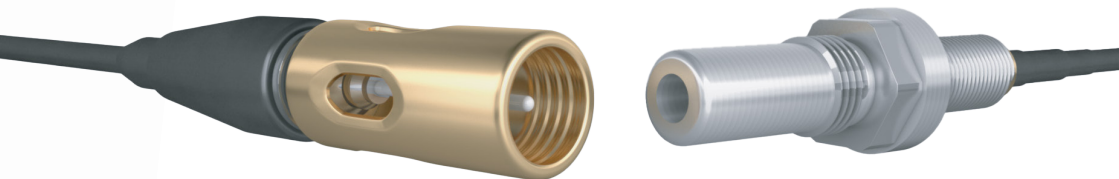
Specifications:

- Depth rating: 6,000m
- Insertion loss of <0.5 dB @ 1310nm and 1550nm for single mode
- Insertion loss of <0.5dB ~ 850nm and 1300nm for Multimode
- Dry-mateable design with protective caps

Features:

- Stainless steel (316L) electro-polished bodies and Titanium is available on request
- MU connector options and adaptor assemblies
- Custom cable terminations available
- Supplied with PDM140 cable for both Single and Multi-Mode solutions

Omicron connectors combine durability and precision for reliable performance in extreme conditions.



Contact Us

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