



The Stratos 2000 Series Small Form Factor connector, ideally suited where space and weight is critical, designed for deployment in the toughest applications where high performance and total reliability are necessary. Benefiting from Stratos expanded beam technology, with a long and proven industry track record, the precision optical alignment system creates immunity from water, mud, dust, oil and other contaminants which normally ingress the optical path and rapidly deteriorate performance in a field environment. Its compact size, easy deployment and rugged durability makes the Series 2000 the ideal selection for Broadcast and Industrial applications.

The 2000 Series Hermaphroditic design eliminates the need for adaptors and male or female mating halves. Hermaphroditic housings allow for rapid field deployment, creating low loss singlemode and multimode daisy chained links. Suited for environmental extremities where low maintenance and quick reparability is necessary, the 2000 series connectors are uniquely field installable and rapidly field repairable. Field maintenance kits ensure replacement parts training, cost and time are kept to a minimum. A variety of shell materials make the 2000 Series suitable for use adverse Industrial and Broadcast environments.

The 2000 series Expanded Beam Fibre Optic Connector delivers a proven pedigree and world beating capability.

### Features:

- Advanced expanded beam technology
- Hermaphroditic interconnection
- 1 & 2 Fibre channels Singlemode or Multimode
- Multiple wavelength capability
- Rugged field repairable connector design

### Benefits:

- Best optical performance available
- No adaptors necessary
- Operational flexibility
- Durable and field proven
- Inexpensive, low downtime field repair

### Applications:

- Broadcast
- Petrochemical
- Military tactical communications
- Industrial

### Materials:

- Land based applications - Anodized high grade lightweight alloy
- Marine based applications - Nickel Aluminium Bronze (High corrosion resistance)
- Neoprene BR568 boot

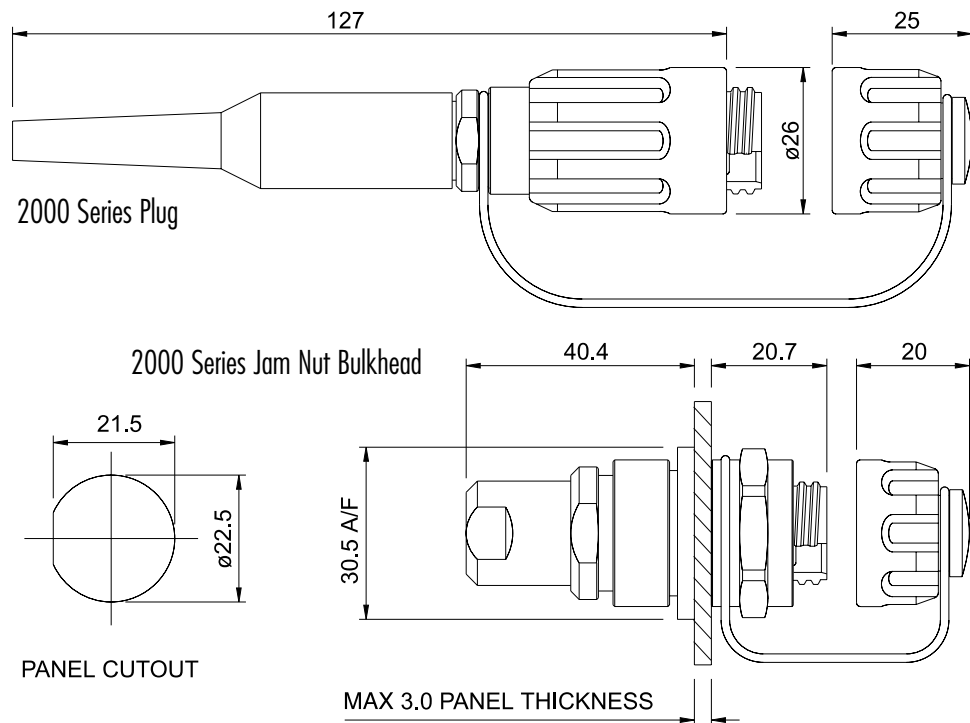


Performance:	
Optical Loss	50/125 @ 850/1300nm 0.6 dB typical 9/125 @ 1310/1550nm 1.0 dB typical
Return Loss	9/125 @ 1310/1550nm >45dB (typical 48dB)
Operating temperature	-40 to +70°C
Storage temperature	-55 to +85°C
Water immersion	up to 2M depth
Vibration Sinusoidal	10-500Hz, 0.75 amplitude @ 10g acceleration
Free fall resistance	500 falls onto concrete from 1.2M height
Bump resistance	4000 bumps @ 40g acceleration
Tensile Strength	Tensile of 1500N, cable dependent
Cable Variations	Compatible with tactical cable: ≤5.5mm outer diameter Other cable sizes available on request

All tests compliant to BS EN 186000-1 specifications

#### Technical Drawings

All dimensions are in mm



#### Planforms



1 channel



2 channel



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Protective caps are included with assemblies unless otherwise stated  
Termination and repair kits are available

Stratos Ltd. is registered to BS EN ISO9001

Whilst due care has been taken to ensure the contents of this data sheet are accurate, Stratos Lightwave™ cannot accept liability for any errors or omissions that may occur. We reserve the right to alter specifications of products without prior notice.

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