

Geo-Beam[™] Window Protected Expanded Beam Connector

The Cinch Advantage



Cinch Connectivity Solutions designed Geo-Beam™ the connector system to meet the stringent requirements of the oil and gas industries, and other harsh environments. Close cooperation with industry experts made it possible for Cinch to create a multichannel hermaphroditic connector which combines unrivalled optical performance and reliability within a form factor unheard of in the oil & gas field industry. The design of the Geo-Beam[™] offers a flat mating surface protected by a hermetically sealed glass window covering the expanded beam lenses. This allows for the easiest cleaning of any of the Fibreco family.



Features

- Window protected lenses
- Easy to clean "wipe and mate"
- Unibody construction gives IP67 certification even while unmated
- Hermaphroditic design no requirement for male/female adapters
- Stainless steel construction provides corrosion resistance

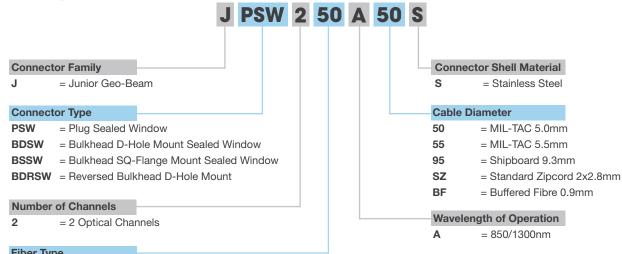


Specifications

Insertion Loss 50/125 Fibre at 850nm: -1.5dB maximum (typical -1.0dB)* Durability 3000 Matings minimum -40°F to +185°F / -40°C to +85°C **Operating Temperature** -40°F to +185°F / -40°C to +85°C Storage Temperature Water Immersion 15m Maximum Free Fall Resistance 500 falls from 3.94ft/1.2m height Vibration 10-500Hz, 3 directions, 0.75mm amplitude@ 10g acceleration Bump 4000 bumps @ 40 G acceleration **Crush Resistance** 6.7kN **Corrosion Resistance** 500 hours salt spray Cable Retention 1000 N (cable dependant) Weight (approx) Plug: 9.88oz/280g Bulkhead: 9.88oz/280g Connector Shell Material / Colour Shell Parts: stainless steel 316 / Grip: black flourosilicone

*Measurements against reference-random mate performance in line with MIL-83526

Ordering Information



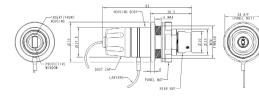
Fiber Type

50	= 50/125
62	= 62.5/125

Optical Insert Arrangement

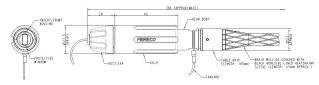


Bulkhead Connector





Plug Connector



Bulkhead Panel Cutout



Asia Pacific +86 21 5442 7668 ccs.asia.sales@as.cinch.com

Europe, Middle East & Africa +44 (0) 1245 342060 CinchConnectivity@eu.cinch.com

North America +1 507.833.8822 ccsorders@us.cinch.com

belfuse.com/cinch

FIBRECO®