

6 Way Harsh Environment Fibre Optic Connector

Pre-terminated Multimode & Singlemode umbilicals



Ship to Ship (STS) - 25m | Ship to Shore (SSL) - 50m

The Offshore Optics 6 Way Ship to Shore Link (SSL) and Ship to Ship (STS) connectors are a rugged harsh environment 6 fibre multi way connector. It was initially designed to interface with ESD and communications systems installed on FSRU, FSU & LNG terminals worldwide. It is fully compatible with all Furukawa and industry standard LNG carrier / terminal ESD communications fibre optic connectors.

The connector consists of a 316-grade stainless steel body and blind cap, accompanied by a hard rubber bump cap to prevent impact damage. Using our Harsh Environment multimode fibre optic cable, these umbilicals can withstand the harshest of environments.

Our 6 way fibre optic connectors are used on: FSRU, FSU & LNG Terminals, in accordance with SIGTTO guidelines. Our 6 way fibre optic connectors are also suitable for:

- Petrochemical Sites
- Pipeline Projects
- Offshore vessels
- Other harsh environment / offshore applications

With precision at the forefront of our design and manufacturing, we ensure the highest of quality for the harshest of environments.

Covered with multiple layers of chemical and fire resistant shrink down to prevent ingress and increase rigidity. All umbilical's include a 316 basket weave cable stocking to aid in heaving to deck. Lengths as standard are 25m-50m, however bespoke lengths can be supplied. We also offer installation by our highly experienced team of engineers.

As per **SIGTTO** "Recommendations and Guidelines for Linked Ship/Shore Emergency Shut-Down of Liquefied Gas Cargo Transfer" from 1987 - 2021

Manufactured in The United Kingdom



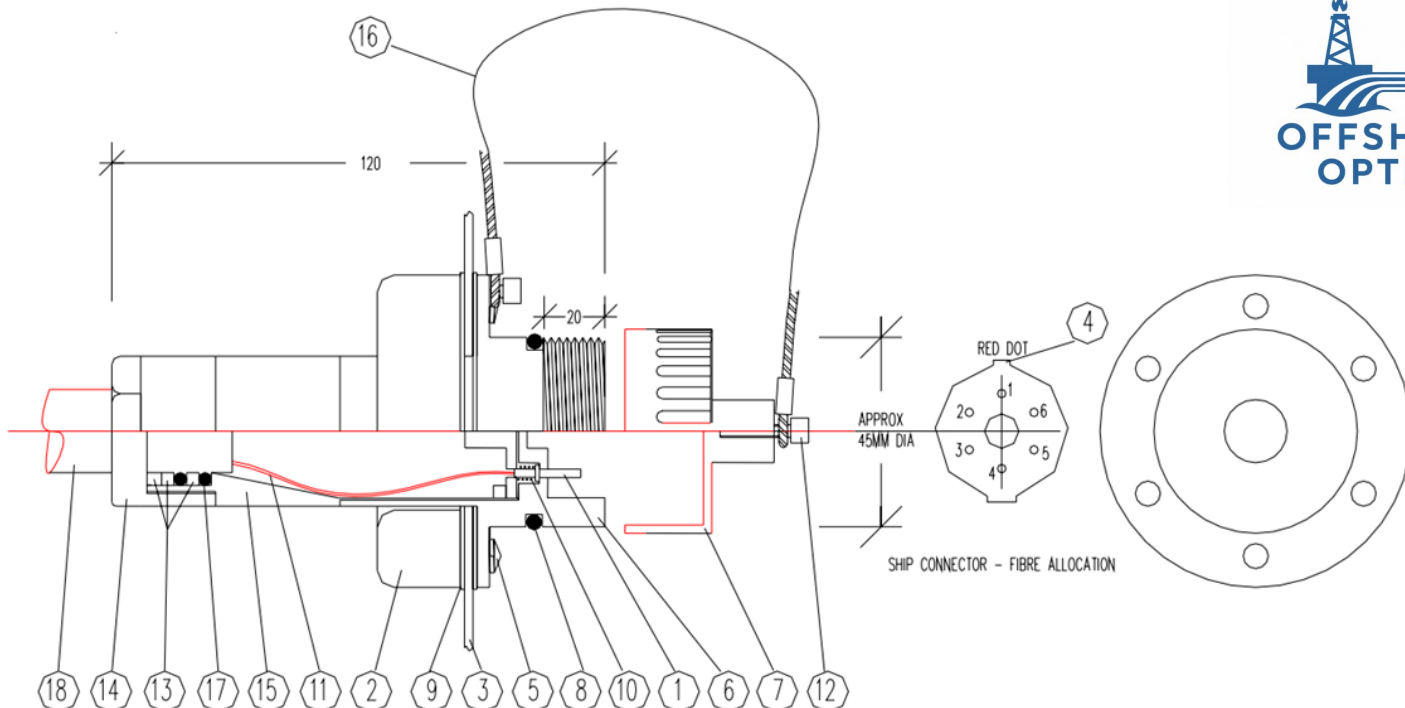
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1 – Ceramic ferrule	10 – Ferrule Retaining Spring
2 – Retaining Ring	11 – Fibre Core
3 – Ship Box Plate	12 – Lanyard Retaining Screw
4 – Alignment Key	13 – 316 SS & Nylon Compression Springs
5 – Fixing Screw	14 – Cable Retention End Nut
6 – Connector Main Body	15 – Connector Rear Body
7 – Cover Cap	16 – Lanyard
8 – ‘O’ Ring	17 – Compression ‘O’ Ring
9 – Rubber Sealing Gaskets	18 – Cable

Connector Specification

Body	316 Stainless Steel
Dust cap	316 Stainless Steel
Bump cap	Hard Rubber
Ferrules	Full ceramic pc singlemode
Ferrule Holder	316 Stainless Steel
Fibre	50/125µm multimode
Alignment Sleeves	Phosphor bronze
Fibre Allocation	Fibres 1 & 2 Telephone, hotline and modem channels Fibres 3 & 4 Ship/Shore ESD Fibres 5 & 6 Spare or customer specific

Cable Composition

Central strength member 2.0mm
Insulation diameter 6.6mm
Inner sheath diameter 14.4mm
Stainless braiding 18.0mm
Outer sheath diameter 20.0mm
Optical Fibre + Aramid Yarn
Fillers / Fibres 7-12
Fire resistant tape