

# Belcom

PR31115-1

## Armada® QFCI Cable

*DNV-GL Certified -TAE00000JG*

As part of the ever increasing range of cables encompassed under our Armada® brand, we are pleased to announce the DNV-GL Type Certification of QFCI Fibre Optic Cable. Synonymous with offshore and maritime installations this cable can be utilised as the backbone for all communications systems where safety critical, high data transfer is required onboard fixed and mobile platforms. With excellent mechanical strength and arduous environment resistance Armada® QFCI secures the integrity of your marine asset.

### Features

- Fibre Capacity up to 96cores
- Flame Retardant in bunch to Category A and Category C
- Extended Service Temperature Range of -40°C to + 90°C.
- Ultra Low Smoke & Zero Halogen FireFighter® SHF-1 Materials

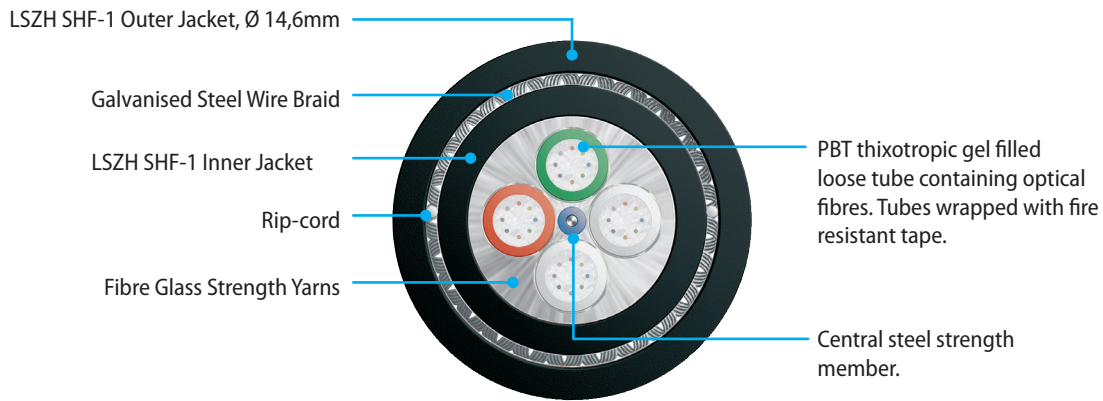
### Applications

- Maritime
- Offshore
- Fire Resistant

### Standards

- IEC60793-2-10
- IEC60793-2-50
- IEC 60092-360
- ISO/IEC 11801
- TIA/EIA-568





## General Construction

The cable contains upto 48 colour coded fibres per tube with a maximum of 4 colour coded active tubes. These tubes are filled with a thixotropic gel to prevent the ingress of water and a fire resistant tape is added over each tube for fire protection. The tubes are SZ stranded with an appropriate amount of fillers around a coated metallic central strength member. E-Glass strength yarns reinforce the cable core beneath the inner jacket before a high coverage layer of galvanised steel wire braid is stranded around and an oil resistant, halogen free, UV resistant outer jacket completes the cable structure.

## Standards

<b>Applicable Standards</b>	IEC60793-2-10, IEC60793-2-50, IEC 60092-360, ISO/IEC 11801, TIA/EIA-568
<b>Flamability Rating</b>	IEC 60331-25, IEC 60332-3-22, IEC60332-3-24, IEC60754-1, IEC60754-2, IEC61034-1/2
<b>Installation</b>	Guidelines as per IEC 60794-1-1 Annex A

## Performance

<b>Tensile Strength - Short Term:</b>	3000	N max.
<b>Tensile Strength - Long Term:</b>	1800	N max.
<b>Impact Resistance:</b>	5	N•m
<b>Impact Resistance:</b>	3	cycles
<b>Max. Crush Resistance:</b>	400	N/cm
<b>Min. Bend Radius for Installation:</b>	20xD	mm
<b>Min. Bend Radius for Operation:</b>	20xD	mm
<b>Repeated Bending:</b>	25	cycles
<b>Max. Operating Temperature:</b>	+90	°C
<b>Min. Operating Temperature:</b>	-40	°C
<b>Max. Storage Temperature:</b>	+90	°C
<b>Min. Storage Temperature:</b>	-40	°C
<b>UV resistance:</b>	Yes	