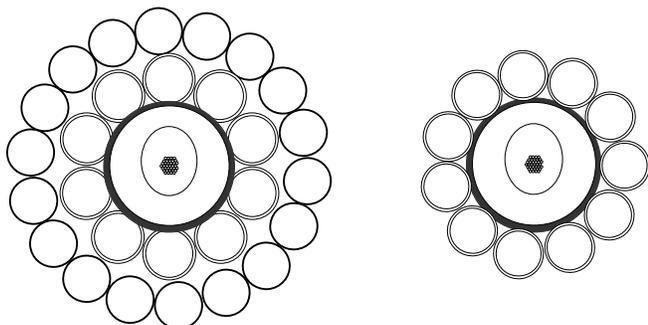


## OPTICAL GROUND WIRE – Spiral Space® technology

### Cable Design



- not to scale -

- Optical fibres
- Spiral Space®
- Aluminium clad steel wires
- Aluminium Alloy wires

### Features and advantages

Prysmian provide tailor made and complete full OPGW system (fittings, boxes, ODF, installation services)

#### Spiral Space® tube

- High optical fibre strain margin
- High crush resistance
- Easy access to optical core

#### Superior Corrosion Resistance

- Dissimilar metals are prevented from reacting with one another
- Provides performance without risk of Galvanic Corrosion
- Meets IEEE construction guidelines for use in High corrosion sites

#### High performance Even in High fibre Counts

- All fibres are housed in the core tube
- Excellent heat protection of fibers
- Armour wires are not replaced with fibre tubes in high count designs. Electrical and mechanical properties can be maintained.

### Technical data

Taylor made designs up to 96 optical fibres under request.

Optical unit composed by a Spiral Space® tube

Single or double armour layers.

Temperature range: -40°C to +85°C.

Lay direction armour: left (S) or right (Z).

**International Standards :** IEEE 1138; IEC 60794; IEC 60793; ITU-T Rec. G.650; ITU-T Rec. G.652; ITU-T Rec. G.655; ITU-T Rec. G.656; ITU-T Rec. G.657

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