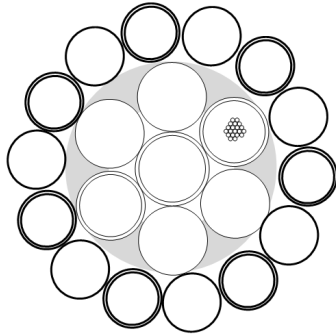


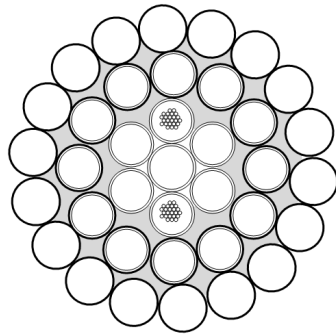
Stranded stainless steel tube

Optical ground wire

Cable design



-not to scale -



-not to scale -

- Optical fibres
- Stainless steel tube
- Aluminium clad steel wires
- Aluminium Alloy wires
- Grease of high drop point as additional corrosion protection

Features and advantages

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

Stranded Stainless Steel Tube

- Wire strands are replaced with fibre-filled stainless steel tubes
- Fibre tubes are helically stranded alongside the wires
- Fibre strain margin is increased relative to core tube designs
- Loaded sag can be increased without placing fibres under strain

Compact Design

- Reduced weight
- Increased flexibility
- Smaller minimum bend radius
- Easier to handle and install
- Lower wind and ice loads put less load on structures

Technical data

Taylor made designs up to 144 optical fibres under request.
Optical unit composed by 1 to 3 stranded stainless steel tubes
Double or triple armour layers available under request.

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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