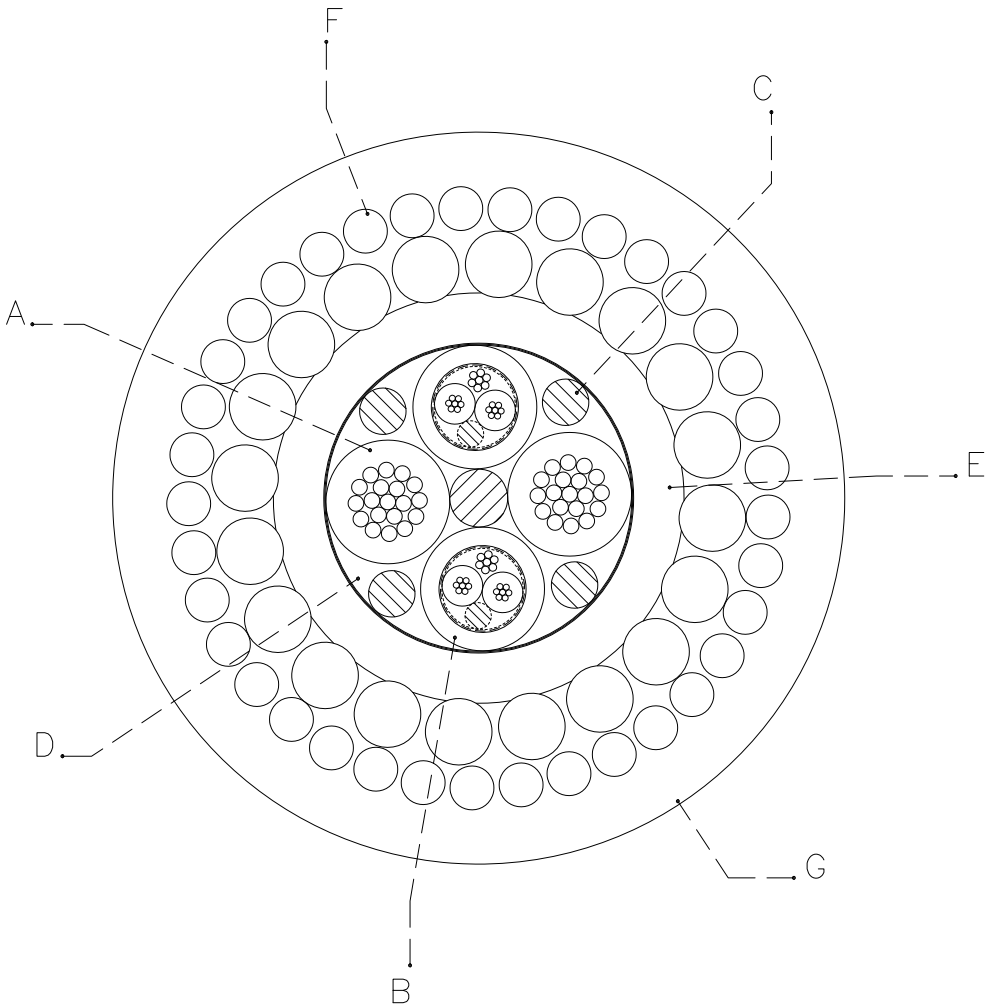


Rev:	Date:	Description:	Drawn:	Check:
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Nominal Mechanical Characteristics:

Finished diameter:	18.9 mm ± 0.3 mm.
Weight in air:	930 kg/km.
Weight in sea-water (note 1):	645 kg/km.
Recommended minimum bend radius:	325 mm, (dynamic).
Minimum breaking load:	150 kN.
Recommended max. working load:	37.5 kN.

Note 1) Assumed sea-water density: 1,026 kg/m³.

Assembly Detail:

- A) 2 off polyethylene insulated 2.5 mm² stranded plain copper power conductors.
- Conductor resistance: 7.9 Ω/km max. @ 20°C.
- Voltage rating (U₀/U): 0.3/0.5 kV_{rms} max.
- Insulation resistance: 1 GΩ.km min @ 0.5 kV_{dc}.
- C) 2 off individually screened and jacketed 0.14 mm² stranded plain copper twisted signal pairs. Screen comprises polyester/aluminium laminate tape and tinned copper drain wire.
- Conductor resistance: 148 Ω/km max. @ 20°C.
- Voltage rating (U₀/U): 0.3/0.3 kV_{rms} max.
- Insulation resistance: 1 GΩ.km min @ 0.5 kV_{dc}.
- C) Extruded filler elements as required.
- D) Assembly voids filled with silicone rubber compound.
- E) Polyethylene inner sheath, (1.3 mm nominal thickness).
- Diameter: 10.6 mm nominal.
- F) Two contra-helical layers of high tensile galvanised steel wire armour.
- G) Nylon 12 outer sheath, (1.4 mm nominal thickness).

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SCALE: NTS		DRAWING No: SQ37955 - C		SHEET: 1 of 1	