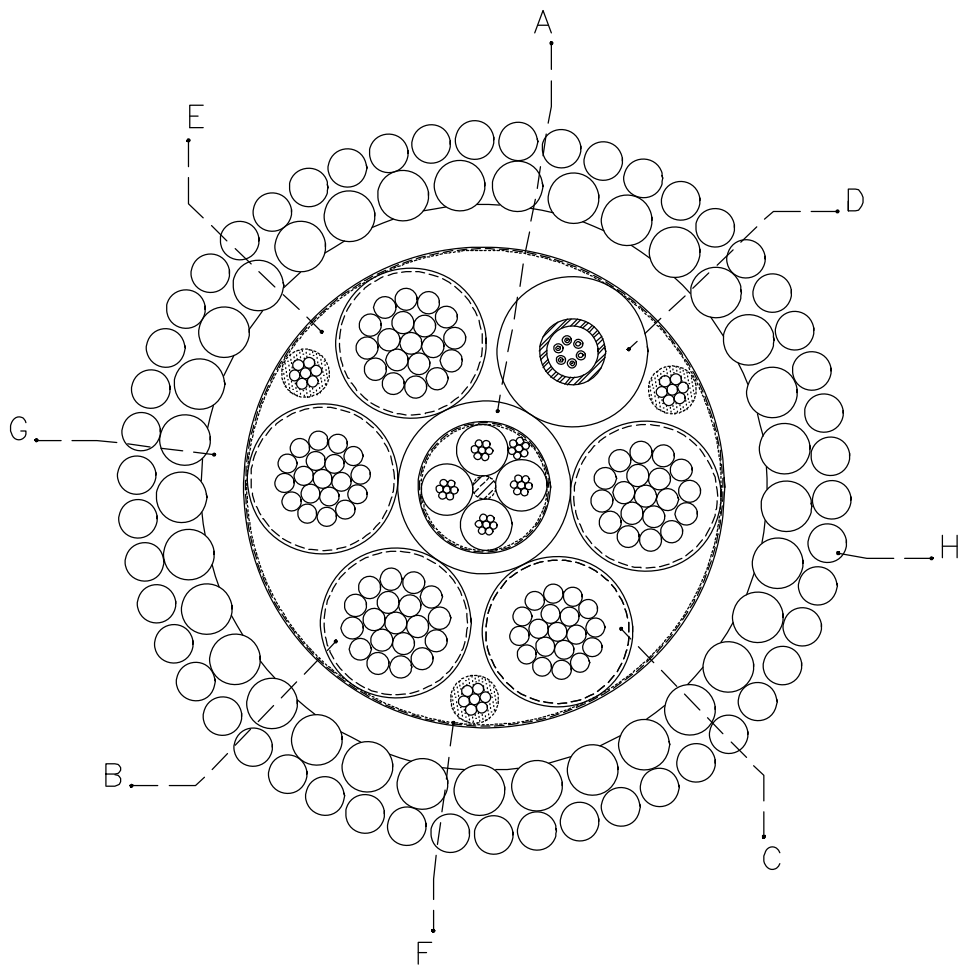


Rev:	Date:	Description:	Drawn:	Check:
00	11/03/21	Initial release.	S.McQ.	D.G.H.



Nominal Mechanical Characteristics:

Finished diameter:	20.0 mm $\pm$ 0.3 mm.
Weight in air:	1,260 kg/km.
Weight in sea-water (note 1):	940 kg/km.
Minimum recommended bend radius:	400 mm (dynamic).
Minimum breaking load:	180 kN.
Maximum safe working load:	60 kN.

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

Assembly Detail:

- A) 1 off screened and jacketed 0.22 mm² stranded plain copper twisted signal quad.
Screen comprises copper/polyester laminate tape and tinned copper drain wire.
- Conductor resistance: 90 Ω /km max. @ 20°C.
 - Voltage rating (U_0/U): 0.3/0.5 kV_{rms} max.
 - Insulation resistance: 1 G Ω .km min @ 0.5 kV_{dc}.
- B) 3 off dual layer insulated 5.4 mm² stranded plain copper power conductors.
- Conductor resistance: 3.7 Ω /km max. @ 20°C.
 - Voltage rating (U_0/U): 2.4/4.2 kV_{rms} max.
 - Insulation resistance: 1 G Ω .km min @ 4.2 kV_{dc}.
- C) 2 off dual layer insulated 4 mm² stranded plain copper power conductors.
- Conductor resistance: 4.9 Ω /km max. @ 20°C.
 - Voltage rating (U_0/U): 2.4/4.2 kV_{rms} max.
 - Insulation resistance: 1 G Ω .km min @ 4.2 kV_{dc}.
- D) 1 off jacketed, gel filled stainless steel tube containing 6 x single-mode optical fibres.
- Attenuation: 0.4 dB/km max. @ 1,550 nm.
0.6 dB/km max. @ 1,310 nm.
- E) Assembly voids filled with silicone rubber compound.
- F) Collective screen comprising copper/polyester laminate tape and 3 x semi-conductive coated 0.5 mm² plain copper drain wires.
- G) Polyethylene sheath, (1.2 mm nominal thickness).
- Diameter: 15.4 mm $\pm$ 0.3 mm.
- H) Two dressed, contra-helical layers of high tensile galvanised steel wire armour.

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SCALE: NTS		DRAWING No: RM0058	SHEET: 1 of 2
TEMPLATE: FIBRON UK A4 X-SECT			