



Cortland
FIBRON BX

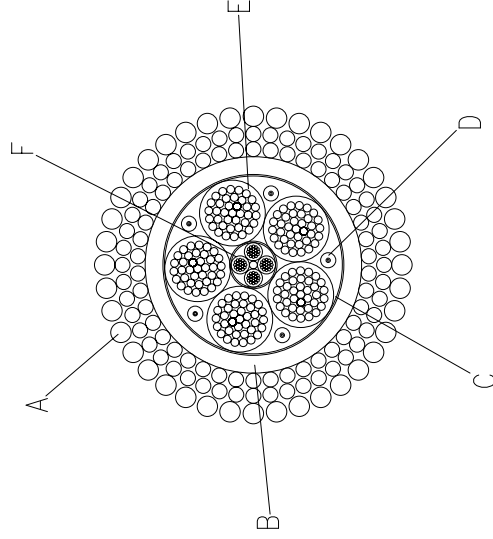


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REVISIONS HISTORY

00	FOR QUOTATION	13/10/03
01	Extra 3 Fibres & Include Insulation Thk	26/02/04
02	Revised armour to reduce dia.	27/04/04
03	12AWG Cores changed to 5 x 11AWG	13/05/04
04	Revised for steel tube FO's	12/10/06

- A = Three Layer Torque Balanced Arour
- B = Polyethylene Inner Jacket
- C = Copper Polyester Tape Plus Drain Wires
- D = 5 x Steel Tube Singlemode Fibre Optics
- E = 5 x 11AWG Thin Wall Insulated
(0.52mm nom. radial) Wires (4160v)
- F = 24AWG Quad, Screened & Jacketed



Finished diameter: 17.3 mm.
Weight in air: 1110 kg/km.
Weight in sea-water: 870 kg/km, (note 1).
Minimum bend radius: 210 mm, (static).
Minimum bend radius: 230 mm, (dynamic).
Minimum breaking load: 180 kN.

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

Unless otherwise specified, all dimensions are in mm.	Cortland Fibron BX Ltd.	
All values nominal.	Unit 5, New England Estate, Pindar Road, Hoddesdon, Hert's, EN11 0BZ	
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Description: MBARI 5000m ROV Umbilical	Rev:	04
Scale: N.T.S.	Date: - 13 Oct. 03 -	Sheet: 1 of 1
Drawn: A.J. Clark	Approved:	