

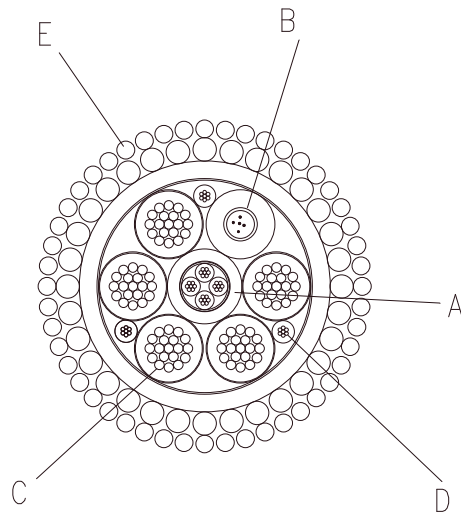


**Cortland
FIBRON BX**



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REVISIONS HISTORY		
00	FOR QUOTATION	27/09/10
01	Drain wires moved from interstices to over assembly	12/10/10
02	Drain wires moved back into interstices. Jacketing material over F/O unit & centre quad changed to Nylon	13/10/10



Assembly Detail

- A) 1 off 0.22mm² STQ Polyethylene insulated plain copper conductors with screen comprising of tinned copper drain wires & copper/polyester tape
- B) 1 off stainless steel tube containing 5 single mode (009/125) fibres
- C) 5 off 4mm² Polyethylene insulated plain copper conductors
- D) Overall screen consisting of semi conductive coated tinned copper drain wires & copper/polyester tape
- E) Two torsionally balanced layers of Brilube II dressed high tensile galvanised steel wire armour.

Nominal Mechanical Characteristics:-

Finished diameter:	17.3 mm.
Weight in air:	1,050 kg/km.
Weight in sea-water:	810 kg/km, (note 1).
Minimum bend radius:	250 mm, (static).
Minimum bend radius:	280 mm, (dynamic).
Minimum breaking load:	140 kN.

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

Cortland Fibron BX Ltd.

Unit C, RD Park.
Stephenson Close,
Hoddesdon, Hert's, EN11 0BW

Tel: +44 (0) 1992 471444
Fax: +44 (0) 1992 471555
www.thecortlandcompanies.com

Unless otherwise specified, all dimensions are in mm.		Unit C, RD Park. Stephenson Close, Hoddesdon, Hert's, EN11 0BW Tel: +44 (0) 1992 471444 Fax: +44 (0) 1992 471555 www.thecorflandcompanies.com		
All values nominal.				
Drawing No: SQ16512A				
Description: — MBari 5000m Umbilical —				Rev: 02
Scale: N.T.S.		Date: 13th October 2010		Sheet: 1 of 1
Drawn:	A J Clark		Approved:	