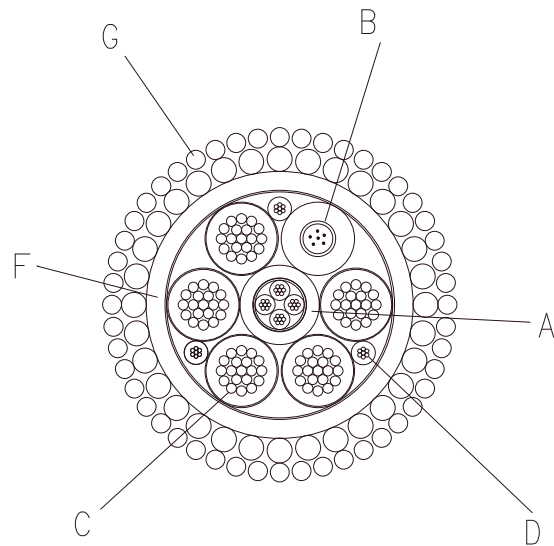


REVISIONS HISTORY		
00	FOR QUOTATION	21/10/10



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.

Assembly Detail

- 1 off 0.22mm² STQ plain copper conductors insulated in Polyethylene (0.21mm nominal thickness) with screen comprising of tinned copper drain wires & copper/polyester tape and jacketed with XLPe (0.65mm nominal thickness)
- 1 off stainless steel tube containing 5 single mode (009/125) fibres & 1 multi mode (62.5/125) fibre with XLPe jacket (0.95mm nominal thickness)
- 5 off 4mm² plain copper conductors insulated in irradiated Polyethylene with a skim of Nylon (0.58mm nominal thickness)
- Overall screen consisting of semi conductive coated tinned copper drain wires & copper/polyester tape
- Assembly voids filled with silicone rubber
- XLPe sheath (0.95mm nominal thickness)
- Two torsionally balanced layers of high tensile galvanised steel wire armour dressed in Brilube II.

Unless otherwise specified, all dimensions are in mm.		
All values nominal.		
Drawing No: RM0016		
Description: — MBar 5000m Umbilical —		Rev: 00
Scale: N.T.S.	Date: 21st October 2010	Sheet: 1 of 1
Drawn: A J Clark	Approved:	

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