

Email Quotation

To : Andrew Hamilton
Company : MBARI
Tel No :
Email/Fax No : hamilton@mbari.org
cc :
From : Richard Voight
Date : Tuesday, 18 November 2003
Pages : 4
(incl. this one)



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Our ref : C200306248, Revision 2 **Your Ref :**

Subject : *MOOS RISER CABLE*

Andrew:

JDR Cable Systems is pleased to offer the following revised proposal C200306248, Revision 2 for your current application. The proposal is in accordance to the submitted specification, "MOOS SYSTEM RISER CABLE SPECIFICATION (synthetic fiber rope) –Preliminary Revision 3.0." Please feel free to contact me at your earliest convenience to discuss and/or clarify any portion of this offer. I can be reached directly at 281-380-2709.

Regards,

Richard Voight
JDR Cable Systems, Inc.

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Pricing Schedule:

Item	Description	Qty (.)	Unit	Price \$/unit	Price Total \$
01	Riser Cable, JDR PN: 010 A 099 Rev 1B	2,000	M	\$ 66.80	\$ 133,600.00
02	Fish-Bite Protection	700	M	\$ 12.50	\$ 8,750.00
02	Shipping Reel	1	EA	\$ 1,950.00	\$ 1,950.00
TOTAL :					\$ 144,300.00

Notes:

- Copy(s) of drawing(s) attached.
- Final definition of transition zone between non-fish-bite and fish-bite section is still pending, however, the final solution is commercially included within the above pricing.
- Fish-bite section color to be black.
- Non-fish-bite section color to be orange.

Prices:

The prices shown are:

- Expressed and to be paid in **Dollars**
- (*) Valid for the quantity(s) mentioned
- Prices are based upon an exchange rate of *US \$ 1.17 = Eu 1.00*. If the rate has changed by more than plus or minus 2.5 % at the time of invoicing, we reserve the right to adjust prices accordingly.
- Ex works Capelle, according to Incoterms latest edition.
- Including JDR standard Final Acceptance Test (FAT). *A standard FAT test includes measurements of all electrical & optical parameters identified per the cable design specification sheet.*
- Strictly net and exclude VAT & all taxes, duties and charges which may apply within or without the Netherlands to goods, payments and / or transfers, these being for the account of the customer.
- A normal production length tolerance of **-0.0% / +4.0 %** will be applicable and invoiced accordingly.

Terminations and Accessories:

- *We have the capability to design and fit terminations to suit our cables, along with various accessories (bend restrictors, fairings etc.). Also cable-winch combinations can be arranged. Please contact us to indicate your requirements.*

Payment terms:

- 30% with order, 70% at date of delivery. Payments due net 30 days after date of invoice.
- Please note payment terms are subject to credit approval from our insurers.

Transport:

- JDR offers the following transportation options, FOB Moss Landing, California, 95039
 - 1 week Airfreight: \$ 8,500.00 USD
 - 4-5 weeks Sea Freight: \$ 4,100.00 USD



Delivery Schedule:

Lead-time is currently at 12 weeks Exworks, to first delivery after receipt of order, subject to confirmation at time of order; thereafter according to acknowledged or agreed schedule.

Validity:

- Prices as quoted are valid for 45 days from date of quotation, thereafter will be subject to our confirmation in writing. The delivery time shown is valid for 30 days after date of quotation. Validity periods thereafter will be subject to our confirmation in writing.

Terms and Conditions :

- This offer is otherwise subject to JDR standard terms and conditions of sale (*copy attached*).

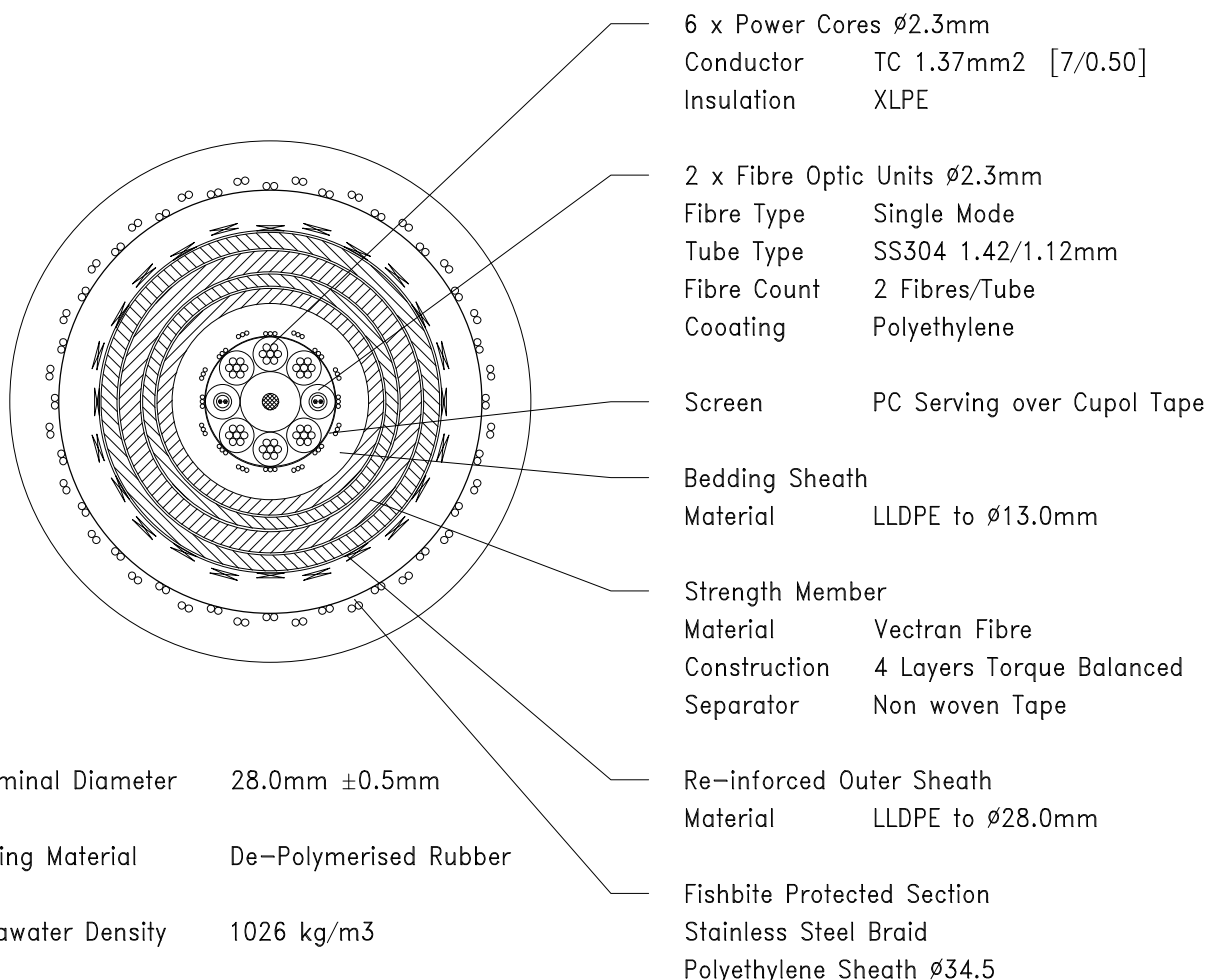
We trust that our offer meets with your approval and look forward to your comments or suggestions, in due course; should you require any further information, please do not hesitate to contact us.

Cable Specification Sheet

TITLE MOOS System Riser Cable

ART. No. 010 A 099 REV. 1B DATE 24/07/03 RFQ. :

Values are corrected for the overlength of the elements.



Electrical Properties :

Components	Rcond	Rinsul 500V DC	Voltage Rating Uo/U	High Volt DC Test Vo/V
	Ohm/km	Mohm.km	kV	kV
PC 1.37 mm^2	15	> 3000	0.5/0.5	5/5

Properties – Fishbite Protected Section

Nominal Diameter	34.5 mm
Length	700 m
Weight in Air	1170 kg/km
Weight in Sea	210 kg/km

Mechanical Properties : Riser Cable

Breaking strength	Bending radius	Specific Density	Weight calculated	
minimum	dynamic	calculated	air	seawater
kN	mm	SG	kg/km	kg/km
245	500	–	700	65

Optical Properties :

Component	Mode	Dispersion 1300/1550 pS/nm.km	Attenuation 1300/1550 dB/km
9.5/125/250	single	3/18	0.5/0.3

Drawn by: Phil Roscoe Approved by: *DRAFT for INFO* Scale N.T.S.