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## ENQUIRY

ENQUIRY NO : IPR/EQL/18-19/073  
Date : 11-06-2018

**Due on : 05-07-2018 by 1:00 PM IST**

Please send your offer in sealed envelope specifying Enquiry No, Date & Due Date, ALONG WITH your credentials for the following items:

### Important Note:

Please note that e-mail quotations are not acceptable however you may send your queries (if any) to [localpurchase@ipr.res.in](mailto:localpurchase@ipr.res.in)

Please ensure your sealed quotation reaches this office not later than above mentioned due date and time.

Kindly go through the following documents properly before quoting which are available on the IPR web portal i.e., [http://www.ipr.res.in/documents/tender\\_terms.html](http://www.ipr.res.in/documents/tender_terms.html) / attached herewith.

- 1) Instructions to the bidders & Terms and conditions (refer Form No: IPR-LP-01.V4)
- 2) Bidding format

**GST for Goods and Services (IGST/CGST/SGST TAX BENEFITS):** Please refer clause no: 8 of Form No: IPR-LP-01.V4

## QUOTATION SHOULD BE ADDRESSED TO PURCHASE OFFICER ONLY

Sr No	Description	Quantity
1	3 Core PTFE/Teflon insulated wire AWG22/19/34. (As per attached specification only.) (IPR CODE:19 CX91 1003)	1400.0 Mtrs.

Note: 1. preferred pack size 100 mtrs. 2. delivery within 15 days from the date of PO.

Encl: As per attachment.

Sd/-

Mr. D. Ramesh  
Purchase Officer-II

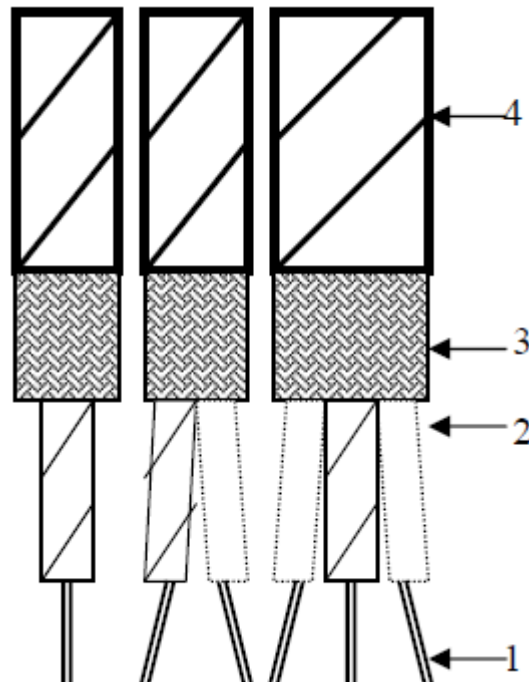
**Information to Vendors:** We are working towards a single platform for our future requirement. Hence, please refer IPR website i.e, <http://www.ipr.res.in/documents/tenderseng.html> for our future requirement.

**Specifications for PTFE Shielded Jacketed Twisted Three Core cable as per JSS51034/JSS51038 standards**

Sr. No.	Specification/Test Conditions	Required Values by IPR	Remarks by Vendor (Must be filled quantitative values wherever applicable)
1	Inner Cores	Twisted and Jacketed 3 Core of Silver plated copper wire (Silver coating 1 micron minimum)	
2	Insulation	PTFE Tape wrapped and sintered	
3	Inner core gauge	22 AWG - 19/34 (19 strands of 0.16mm +/- 0.01mm)	
4	Inner Core diameter	0.81 mm +/- 0.02mm	
5	Inner core Resistance	4.9 Ohms/100 Meter or less	
6	Current rating	7.3 Amps	
6	Inner core insulation thickness (Outer Dia)	1.16 mm Minimum	
7	Inner core finished wire diameter	1.1 mm Minimum	
8	Insulation test (continuous)	600V AC	
9	Insulation test (Spark test)	3.4 KV for 1 second	
8	Temperature Rating	-65 to 200 Deg C	
9	Number of twist of inner pair	2 per inch min	
10	Shield coverage	> 95%	
11	Shield over Inner twisted and jacketed cores	Braided Silver plated copper	
12	Over all cable diameter	~ 4 mm	
13	Standards Primary core: Multi core:	JSS 51034 JSS 51038	
14	Cable identification labels must be printed on cables	"Twisted 3 Core-22" and length in meters	
15	Inner core colours	Red, Orange, Black	

## Cable Construction details

A brief outline of the construction details of the required cables is given here.



Construction:

- 1. Inner Conductor: Silver Plated Copper wire; AWG-19/34
- 2. Core insulation: Spiral wrapped and fused PTFE tape
- 3. Braided shield: Silver Plated copper wire
- 4. Outer core Jacket: PTFE tape wrapped & fused

## Important Terms & Conditions

1. The company should have LSCO approval for production of the required cables.
2. The vendor should strictly follow the construction details as per the prescribed standards given in this specification document.
3. The vendor mandatorily has to fill the columns against each specification and precisely write the quantitative values wherever applicable.
4. The vendor should attach copies of LCSO approved certificates for **JSS51034** and **JSS51038**.