



प्लाज़्मा अनुसंधान संस्थान
INSTITUTE FOR PLASMA RESEARCH
परमाणु ऊर्जा विभाग, भारत सरकार का एक सहायता प्राप्त
संस्थान



An Aided Institute of Department of Atomic Energy,
Government of India

इन्दिरा पुल के पास, भाट, गांधीनगर - 382

428 भारत

दूरभाष: (079) 2396 2020/2021/2028

फैक्स: 91-079-23962277

वेब: www.ipr.res.in

NEAR INDIRA BRIDGE, BHAT
DIST. GANDHINAGAR - 382 428 (INDIA)
Phone: (079) 2396 2020/2021/2028
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Web : www.ipr.res.in

ENQUIRY

ENQUIRY NO : IPR/EQL/19-20/420
Date : 28-02-2020

Due on : 25-06-2020 by 1:00 PM IST

Reminder-1 Dt: 20-04-2020

Reminder-2 Dt: 19-05-2020

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

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 / 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 detailed specifications. (IPR CODE:19 CX91 1003)	1500.0 Nos.

Note: 1. cable should be as per attached specification only, no deviation will be accepted

Note : (1) Unsigned quotations are not acceptable.
Quotation should be submitted duly signed on ALL PAGES invariably

(2) TDS as per CGST Act : As per provisions of section No. 51 of the CGST Act 2017, TDS @ 2% (IGST 2% or CGST 1% and SGST 1%) will be deducted while making payment to the suppliers where total value of orders/contracts/work orders exceeds Rs. 2.5 Lakhs, in the event of order in Indian Rupees

Delivery Time:- 15 days

Encl: Refer attached sheets for detailed technical specifications.

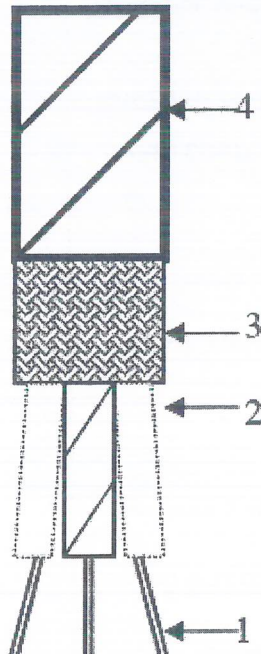
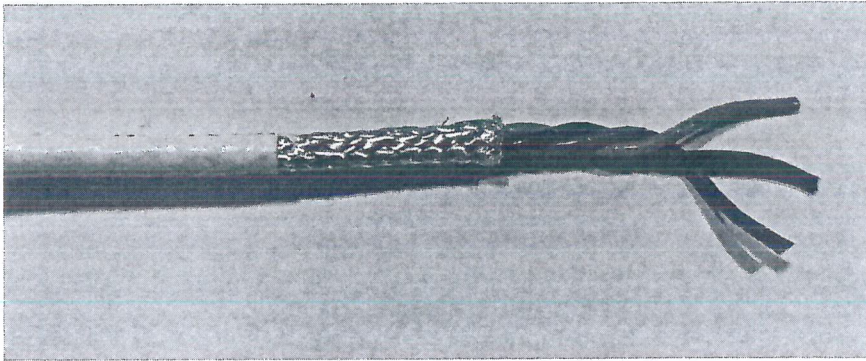
Information to Vendors: We are working towards a single platform for our future requirement. Hence, please refer IPR website i.e, <http://www.ipr.res.in/documents/tendersenq.html> for our future requirement.

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	0.80 mm +/- 0.02mm	
5	Inner core Resistance	4.9 Ohms/100 Meter or less	
6	Current rating	7.3 Amps	
7	Inner core insulation thickness (Diameter over Insulation)	1.16 mm Minimum	
8	Insulation test (continuous)	600V AC	
9	Insulation test (Spark test)	3.4 KV for 1 second	
10	Temperature Rating	-65 to 200 Deg C	
11	Number of twist of inner pair	2 per inch min	
12	Shield coverage	> 95%	
13	Shield over Inner twisted and jacketed cores	Braided Silver plated copper	
14	Over all cable diameter	~ 4 mm	
15	Standards Primary core: Multi core:	JSS 51034 JSS 51038	
16	Cable identification labels must be printed on cables	"Twisted 3 Core-22" and length in meters	
17	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
- Cable should be packed in 100Mtrs Spool

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**.

