

Technical specification:

Cable set
<u>CHROMEL-ALUMEL extension Cable for K type TC: 60 no</u>
The specified cable to be of length 50 meters rolls.
Quantity Required: 15000meters (consisting of 05 sets)
2 Core Chromal Alumal cable KX type as per ANSI 96.1.
Both the cores (i.e. Chromel & Alumel) of multistrand 7/0.2mm.
Each conductor Teflon (FEP) insulated. Then pair twisted together.
Twisted pair to be screened with Mylar Aluminum Tap in contact throughout with a bare, annealed, tinned copper drain wire (Of size 0.8 mm dia.) so as to reject EM & ES interference.
Outer sheath Extruded Teflon(FEP) with round section O.D. NOT LESS THAN 4 MM.
Gas, Steam & Water tight insulation.
Thickness of both core & sheath insulation to be as per relevant IS code.
Colour code as follows :
Chromal wire : Yellow
Alumal Wire : Red
Overall Sheath :Yellow
Inspection of full lot before delivery to be done at suppliers works by purchaser's representative. Facilities to check cross sectional area.
Sample of 1 meter length cable meeting above specifications to be furnished before placement of order for approval.
Inspection of full lot before purchaser's representative shall do delivery at suppliers work. Facilities to be check copper cross sectional area, cable resistance and insulation resistance etc. shall be arranged by the suppliers.

Technical Pre-Qualification criteria:

Capability of the bidder for having supplied past above item or equivalent is a pre requisite. For that either

- At least one PO copy in the name of the bidder along with proof of delivery in last five years to be submitted by the bidder alternatively
OR
- Bidder has to submit **03 NOS OF (1 METER EACH) NON RETURNABLE SAMPLES SHALL BE SUBMITTED BY VENDOR PREFERABLY 01 WEEK BEFORE TECHNICAL BID OPENING)**

NOTE : Colours indicated in the all cable specification are for reference purpose. Vendors are allowed to offer for any other suitable exclusive identifiable colours , if called for , and remaining all other specification unchanged.