



**PRODUCT ENGINEERING / V & SB
TECHNICAL DELIVERY CONDITIONS FOR
SUBDELIVERY COMPONENTS OF SOOT BLOWERS**

TSB :044

Rev. 05

SHEET No. 01 of 01

3 CORE 2.5 mm² PVC INSULATED PVC SHEATHED ARMORED CABLE

Sl. No.	Description	Requirements
1.0	Component	3 core 2.5 mm ² PVC insulated PVC sheathed armored cable.
1.1	Material Code	96 353 328 0000 96 353 010 0000 - FRLS-HRPVC CABLE (3CX2.5)
1.2	Application	For wiring Terminal box to Limit Switch and Potentiometer of Temp. Probe & Long Retractable SB.
2.0	Specification	
2.1	Number of core	3
2.2	Area	2.5 mm ² (36 strands / 0.3mm)
2.3	Material of conductor	Multi stranded Annealed tinned copper.
2.4	Insulation	PVC insulated with armored around the insulating 3 cores and also with outer PVC sheathing to a OD of 14.5 mm. Armor wire diameter should be 0.8mm.
2.5	Voltage rating	600/1100 V
2.6	Core assembly	3 conductors coloured with red, blue and yellow.
2.7	Cable size	The overall diameter of the cable should be 14.5 mm
In general the construction should conform to IS 1554: Part 1: 1988		
3.0	<u>Testing and Inspection</u> (a) Testing should be as per IS 1554: Part 1: 1988 and a certificate is to be supplied. (b) Inspection shall be done by BHEL inspector for the following: (i) To check for dimension of O.D. Colour codes, strands and core sizes. (ii) Check whether the supplier has provided test certificate.	
4.0	Packaging	Cables are to be wound on a wooden drum with suitable protection at the ends and must be packed and supplied in card board boxes.
5.0	Quantity	Length varies from contract to contract.
6.0	Spare requirements	10% of the total quantity required for manufacturing reserve.
7.0	Storage	It shall be stored under covered area. Exposing to atmosphere will damage the material.
8.0	Approximate Weight	0.5 kg/meter.

Rev:05 Dt.18/09/2009.

Armor wire diameter 0.8mm introduced.

Prepared (J.SANKAR)

DATE:
18 / 09 / 2009.

Approved (K.SRIDHARAN)