 Scientific And Industrial Testing and Research Centre, Coimbatore-641006	Electrical Testing Laboratory	Code No.
	SERVICE REQUEST FORM	
	Tests as per IS-694:2010 PVC insulated cables for working voltages up to and including 1100 volts	

### Description of Sample


Name of the test sample	PVC INSULATED CABLES						
Make / Brand		Size / Sectional area		# Type of Insulation	A/B/C/D	Type of Cable	
Conductor Grade		No. of Core(s)		# Type of Sheath	ST <sub>1</sub> / ST <sub>2</sub> / ST <sub>3</sub>	Cable code Letter	A/Y/ ECC / OU / SZ (No need If Cu.)
Conductor Material	Al / Cu	# Class Conductor	1/ 2 / 5 / 6	Year of Manufacturing		Gross Mass(Approx)	
Colour of cable		Length of cable		Ref.Std No.	8130/ 5831	IS Marking	
"Suitable for outdoor use" OR "Suitable for low temperature"							
Specimen length	For complete type test Upto & including 25 Sq.mm 22 metre length, Above 25 sq.mm 27metre length						
Type of cable	Flat twin or three core cables / Flat twin or three core cables / Flat twin flexible cables / Twisted Twin flexible cords /circular Twin, three, four ,five						

### Test Requirements

Sl. No.	Name of the test	Test Requit	Sl. No.	Name of the test	Test Requit
1.	Overall Dimensions (CI 14) , Required length: 300 mm (min)		2.	Annealing Test (CI 15.2 a) Elongation (Before) <b>copper</b> Required length: 1.3m (min)	
3.	Conductor resistance test (CI 15.3 a) Required length: 10 m (min)		4.	Tensile Test (CI 15.2 b) <b>Aluminum</b> Required length: 1.3 m (min)	
5.	Dc High voltage test (16.2.2) Required length: 3 m (min)		6.	Wrapping Test (CI 15.2 c) only <b>aluminum</b> Required length: 3 m (min)	
7.	High Voltage Test (at room temperature test) (CI 16.3) Required length: 3 m (min)		8.	Insulation resistance test Required length: 3 m (min)	
9.	High Voltage Test (water Immersion test) CI 16.2 Required length: 6 m (min)				

-----XXXXXXXXXXXXXXXXXXXXXXXXXXXX-----

Name and Address of the Customer in Test Report		Ref Doc. Details :	
Name and Address of the Customer in Invoice		Contact Person :	
		Phone No.	
MIN No.		Date	
For Si'Tarc		For Customer	
Date:	Sign & Name	Date:	Sign & Name

 Scientific And Industrial Testing and Research Centre, Coimbatore-641006	Electrical Testing Laboratory	Code No.
	SERVICE REQUEST FORM	
	Tests as per IS-694:2010 PVC insulated cables for working voltages up to and including 1100 volts	

Sl. No.	Name of the test	Test Requit	Sl. No.	Name of the test	Test Requit
10	<u>Physical test for insulation</u> (CI 15.1) Table 8		11	<u>Physical test for Sheath</u> (CI 15.1) Table 8	
	<u>Without Ageing</u> (CI 4.1 ) Required length: 1.5 m (min) i) Tensile strength			<u>Without Ageing</u> (CI 4.1 ) Required length: 1.5 m (min) i) Tensile strength	
	Elongation at Break			Elongation at Break ,	
12	ii) Loss of mass test Required length: 600 mm (min)		13	ii) Loss of mass test Required length: 600 mm (min)	
14	iii) After Ageing in air oven Required length: 1.5 m (min)		15	iii) After Ageing in air oven Required length: 1.5 m (min)	
	Tensile Strength			Tensile Strength	
	Elongation at Break			Elongation at Break	
16	iv) Shrinkage Test Required length: 660 mm (min)		17	iv) Shrinkage Test Required length: 660 mm (min)	
18	v) Heat Shock Test Required length: 900 mm (min)		19	v) Heat Shock Test Required length: 900 mm (min)	
20	vi) Hot deformation Test Required length: 100 mm (min)		21	vi) Hot deformation Test Required length: 100 mm (min)	
22	Thickness of insulation (CI 15.2e) Required length: 300 mm (min)		23	Thickness of sheath (CI 15.2e) Required length: 300 mm (min)	
Y- Required, NR – Not Required, ND – Not Described, Put <b>Y</b> or <b>NR</b> for test requirements.					

Note:

- 1) Kindly issue separate SRF Form for each sample
- 2) Marked with an # are Mandatory Fields

SLFEL067/01-02/01-20

Name and Address of the Customer in Test Report		Ref Doc. Details :	
Name and Address of the Customer in Invoice		Contact Person :	
		Phone No.	
MIN No.		Date	
For Si'Tarc		For Customer	
Date:	Sign & Name	Date:	Sign & Name