 Scientific And Industrial Testing and Research Centre, Coimbatore-641006	Electrical Testing Laboratory	Code No.
	SERVICE REQUEST FORM	
	IS 1554 – (Part-1) :1988 PVC INSULATED (HEAVY DUTY) CABLES FOR WORKING VOLTAGES UP TO AND INCLUDING 1100 VOLTS	


Description of Sample

Name of the test sample	PVC insulated (heavy duty) cables for working voltages up to and including 1100 volts						
Make / Brand		Size / Sectional area		# Type of Insulation	A/B/C/D	Type of Cable	
Voltage Grade		No. of Core(s)		# Type of Sheath	ST1 / ST2 /ST3	Cable code Letter	A/ Y / W / F / FF /W W (No need if Cu.)
Conductor Material	Cu / Al	# Class of Conductor	1 / 2 / 5 / 6	Year of Manufacturing		Gross Mass (Approx)	
# Grade for Aluminium	0/H ₂ / H ₄	Length of cable in m		Ref.Std No.	5831/ 8130	IS Marking	
"Suitable for outdoor use" OR "Suitable for low temperature"							
Shape of the conductor	1. Solid Circular copper / Al conductor 2. Stranded circular non compacted conductors 3. Stranded Compacted circular conductors and shaped conductor						
Specimen length	For complete type test Up to & including 25 Sq.mm 22 meter length, Above 25 sq.mm 27metre length						

Test Requirements

Sl. No.	Name of the test	Test Requit.	Sl. No.	Name of the test	Test Requit.
1.	Annealing Test (CI 15.1 a.i) Elongation before strands (for copper) Required length: 1.25 m (min)		2.	Conductor resistance test (CI 15.1.a iv) Required length: 10 m (min)	
3.	Wrapping Test (CI 15.2. c) (for Aluminium) Required length: 1 m (min)		4.	Insulation resistance test (CI 15.1.e) Required length: 3 m (min)	
5.	High Voltage Test (at room temperature test) (CI 16.2) Required length: 3m (min)		6.	Tensile test (CI 15.2 .b) (for Aluminium) Required length: 1.25 m (min)	
7.	High Voltage Test (water immersion Test)A.C Test(CI 16.3.1) Required length: 3m (min)		8.	High Voltage Test (water immersion Test) D.C Test (CI 16.3.2) Required length: 3 m (min)	

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

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	Physical test for insulation (CI 15.1.d)		Physical test for outer Sheath (CI 15.1.d)	
9.	Without Ageing Required length: 1.5 m (min) i)Tensile strength		Without Ageing Required length: 1.5m (min) i)Tensile strength	
	Elongation at Break		Elongation at Break	
11.	ii) Loss of mass test Required length: 660 mm (min)		12. ii) Loss of mass test Required length: 660 mm (min)	
13.	iii)After Ageing in air oven Required length: 1.25 m (min) Tensile Strength		14. iii)After Ageing in air oven Required length: 1.25 m (min) Tensile Strength	
	Elongation at Break		Elongation at Break	
15.	iv) Shrinkage Test Required length: 660 mm (min)		16. iv) Shrinkage Test Required length: 660 mm (min)	
17.	v) Heat Shock Test Required length: 300 mm (min)		18. v) Heat Shock Test Required length: 300 mm (min)	
19.	vi)Hot deformation Test Required length: 100 mm (min)		20. vi)Hot deformation Test Required length: 100 mm (min)	
21.	vii)Thickness of insulation (CI 15.1.c) Required length: 300 mm (min)		22. vii)Thickness of sheath (CI 15.1.c) Required length: 300 mm (min)	
Y- Required ,NR – Not Required, ND – Not Described, Put Y or NR for test requirements, method of test IS 10810				

Note:

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

SLFEL064 / 01-01 / 01 -20

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		Phone No.	
MIN No.		Date	
For Si'Tarc		For Customer	
Date:	Sign & Name	Date:	Sign & Name