

**Electrical Test Division**

**Type Test Report  
(As Per IEC, BS & VDE Standard)**

1. **Test Report no & Date** : ELECTRICAL/LV/ACCESSORIES/1401  
Dated 10/11/2008
2. **Name & Address of Client** : A-1 Electricals, Plot No. 47, Balaji Industrial Estate,  
Survey No 172/1, Opp. Krishna Park Hotel,  
Gondal Road, Kotharia, Rajkot - 360005, Gujarat, India
3. **Product Description** : Heat Shrinkable Termination and Straight through Joint
4. **Test Specimen Details** : LV Underground PVC Cable 0.6 / 1 KV NYCWY 4 x 150 sq.  
MM/ 70 Cable having Heat Shrinkable Termination at both end &  
Heat Shrinkable Straight through Joint in  
the middle.
5. **Conformant / Test Standard** : **IEC, BS & VDE**
6. **No of Specimen Tested** : One
7. **Particulars of Test Conducted** : AC Voltage withstand test (Dry) 15 minutes  
AC Voltage withstand test (wet) 1 minute  
Impulse Voltage Withstand Test  
Thermal Short Circuit  
AC High Voltage Dry  
DC High Voltage Tests for 15 minutes
8. **Test Results** : Specimen withstood all the tests

**9. AC High Voltage Test (Dry) for 15 minutes Duration.**

S. No.	Test Description	Test Voltage	Duration	Results
1.	Phase to Phase	4 KV	15 Minute	Withstood
2.	Phase to Earth	4 KV	15 Minute	Withstood

**10. AC High Voltage Test (wet) for 1 minute Duration.**

S. No.	Test Description	Test Voltage	Duration	Results
1.	Phase to Phase	3.5 KV	1 Minute	Withstood
2.	Phase to Earth	3.5 KV	1 Minute	Withstood



Electrical Test Division

Type Test Report  
(As Per IEC, BS & VDE Standard)

11. Impulse Voltage Withstand Test,

S. No.	Test Description	Test Voltage	Results
1.	Impulse Voltage withstand 1.2 / 50 $\mu$ S	8 KV	Withstood

12. Thermal Short Circuit Withstand Test.

S. No.	Test Description	Test Voltage	Results
1.	Thermal Short Circuit Rated Current KA (r.m.s.)	18.2 KV	Withstood

13. AC High Voltage Test (Dry).

S. No.	Test Description	Test Voltage	Duration	Results
1.	Phase to Phase	4 KV	15 Minute	Withstood
2.	Phase to Earth	4 KV	15 Minute	Withstood

14. DC Voltage with stand Test

- i. Test Connection : Between Phase & Earth.
- ii. Test Voltage : 15 KV.
- iii. Duration of Test : 15 Minutes.
- iv. Ambient Temperature : 24° C
- v. Result : With stood Test.

