

ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION

ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.

EPABX: +91 (0265) 2642942, 2642964, 2642377, 3043128 / 29 / 30 / 31 / 33,

Fax : +91 (0265) 2638382,

E-mail : erda@erda.org

Web : http://www.erda.org



TEST REPORT

SHEET 1 of 2

NAME & ADDRESS OF CUSTOMER		REPORT No	RP-1314-010940
M/s KEC International Ltd. # 349, Hebbal Industrial Area, Hootagalli, Belavadi Post, Mysore - 570 018. (Karnataka)		DATE	28-9-2013
		CUSTOMER REF No	Nil
		DATED	03-9-2013
		DATE OF SAMPLE RECEIPT	DATES OF TESTING
		06-9-2013	11-9-2013 to 28-9-2013
SAMPLE DESCRIPTION		SAMPLE IDENTIFICATION	
Dumbbell shape specimens prepare from 1C x 70 sq. mm. Cu conductor, XLPE insulated, FR outer sheathed, 1000 V Electric cable. Cable Identification No.: 13X3409		ERDA SAMPLE CODE: ERDA-00017030	
No.	TEST DETAILS	TEST SPECIFICATION	
1.	Exposure to UV radiation	ASTM G 154-06	
2.	Tensile strength and elongation before and after exposure	IS:10810 (Pt.7)-1984 (Method of test)	
PREPARED BY <i>Silbeth</i>		CHECKED BY <i>hst</i>	APPROVED BY <i>Arvind</i>
Note:	1. This report relates only to the particular sample received for testing in good condition at ERDA 2. This report cannot be reproduced in part under any circumstances 3. Publication of this report requires prior permission in writing from Director, ERDA 4. Only the tests asked for by the customer have been carried out. 5. In case of any dispute, Vadodara will be the exclusive jurisdiction & shall be construed as where the cause has arised.		
Caution:	ERDA is not responsible for the authenticity of photocopied or reproduced test reports. ERDA provides support to customers for verification of the authenticity of test reports issued by ERDA.		



1286128

ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION

ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.

EPABX: +91 (0265) 2642942, 2642964, 2642377, 3043128 / 29 / 30 / 31 / 33,

Fax : +91 (0265) 2638382,

E-mail : erda@erda.org

Web : http://www.erda.org



REPORT No. RP-1314-010940

DATE: 28-9-2013

SHEET 2 of 2

Sr. No	Particular of tests & Cl. No.	Requirements as per specification	Light source/ exposure details/ Obtained value	Remarks
1.	Exposure to UV radiation Cl. No. 9 Exposure device used Light source Typical irradiance, W/m ² /nm - Exposure cycle - UV - Black Panel Temperature, °C - Condensation - Black Panel Temperature, °C - Total exposure time, days	-- -- -- -- -- -- --	UVTEST, ATLAS Fluorescent UV lamps-UVB - 313 0.71 2 4 h 60 ± 3 4 h 50 ± 3 14*	-- -- -- -- -- -- --
2.	Tensile strength and elongation at break before and after exposure Cl. No. 8 - Tensile strength, N/mm ² - Before Exposure - After Exposure - Retention, % - Elongation at break, % - Before Exposure - After Exposure - Retention, %	-- -- -- -- -- -- --	14.6 13.6 93 205 183 89	-- -- -- -- -- --

* As specified by the customer.

S. Sheth
PREPARED BY

hmt
CHECKED BY



1286129