

ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION

(Accredited by the National Accreditation Board for Testing and Calibration Laboratories, Govt. of India)

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TEST REPORT

SHEET 1 of 2

NAME & ADDRESS OF CUSTOMER M/s RPG Cables Ltd., Plot No. 273/4, Demni road, Dadra, Silvassa – 396 191.	REPORT NO. :	ICWRWO0065709
	DATE :	20-11-2008
	CUSTOMER REF NO. :	Nil
	DATED :	03-11-2008
	DATE OF SAMPLE RECEIPT	DATES OF TESTING
07-11-2008	11-11-2008 to 19-11-2008	

SAMPLE DESCRIPTION

1 Core x 95 Sq.mm LT XLPE insulated and Black coloured Outer Sheathed Unarmoured 2XY Cable.

Type of Insulation : XLPE

Type of Outer Sheath : ST8

SAMPLE IDENTIFICATION

Printing : RPG CABLES SILVASSA "ASIAN" 1 KV ELECTRIC CABLE 1 C X 95 mm² XLPE LSOH 2008

Sr. No.	Cl. No.	TEST DETAILS	TEST SPECIFICATION
1	18.5	Additional ageing test on complete cable	IEC: 60502-1/2004
2	18.8	Cold elongation test on outer sheath	
3	18.14.5	pH and Conductivity test	

REMARK : The sample conforms to the requirements for the above mentioned tests.

PREPARED BY  CHECKED BY  APPROVED BY 

- 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.



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REPORT NO. : ICWRWO0065709

SHEET 2 of 2

DATE : 20-11-2008

Sr. No.	Cl.No.	Tests	Requirement as per Specification	Obtained Value	Remarks
1	18.5	Additional ageing test on complete cable. (at $100 \pm 2^\circ\text{C}$ for 168hrs.) Insulation Variation, % -Tensile Strength -Elongation at break Outer Sheath -Tensile Strength, N/mm^2 -Elongation at break, % Variation, % -Tensile Strength -Elongation at break	Max. ± 25 Max. ± 25 Min. 9.0 Min. 100 Max. ± 40 Max. ± 40	+16 +3 11.4 218 +6 -7	Conforms Conforms Conforms Conforms Conforms Conforms
2	18.8	Cold elongation test on outer sheath (at $-15 \pm 2^\circ\text{C}$) - Elongation at break, %	Min. 20	225	Conforms
3	18.14.5	pH and Conductivity test Insulation - pH - Conductivity, $\mu\text{s}/\text{mm}$ Outer Sheath - pH - Conductivity, $\mu\text{s}/\text{mm}$	Min.4.3 Max. 10 Min.4.3 Max. 10	4.8 1 4.9 1	Conforms Conforms Conforms Conforms

P. M. J. K.

PREPARED BY

P. M. J. K.

CHECKED BY



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