



Cables | Conductors | Insulators | Transformers

NABL ACCREDITED TESTING LABORATORY VIA TC-16290



RECOGNISED BY BUREAU OF INDIAN STANDARDS



BIS LAB CODE - 8173526

Cables | Conductors | Insulators | Transformers

ISO/IEC 17025:2017 NABL Accredited • ISO 9001:2015 Certified Testing Laboratory

Recognised by: Bureau of Indian Standards (BIS)

ROBUST TESTING SOLUTIONS PVT. LTD.

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TEST REPORT

Report No. RTS/250718-2	Discipline – Electrical	Date of Issue: 18 July 2025
ULR: TC162902500000057F	Group – Cables & Wires	

GENERAL PARTICULARS OF SAMPLE SUBMITTED

NAME & ADDRESS OF CUSTOMER	Net Gen Innovation Pvt. Ltd. (Brand - Genius Network) 26, PC Ghosh Road, Kolkata-700048
JOB ID	RTS/CAB/250G14-02
*CUSTOMER REFERENCE NO	Customer test request dated 11.07.2025
*PART CODE	GCxCAUT3yLS3X x - Category, y- Colour, x- T for Cat 6A, 6 for Cat 6, y -B for Blue, G for Gray, R for Red
*SAMPLE DESCRIPTION	Genius copper solid cable LSZH
PRINTING ON SAMPLE	Genius Solid Cable 23AWG LSZH ETL verified and UL listed as per ANSI/TIA 568.2-D XXmtr"
MODE OF PACKAGING	Coil
CONDITION OF SAMPLE RECEIVED	Satisfactory
QUANTITY OF SAMPLE	30 Meters finished cable
DATE OF RECEIPT OF SAMPLE	14.07.2025
DATE (S) OF TESTING	15.07.2025 to 17.07.2025
TEST SPECIFICATION/ TEST METHOD	IEC 60332-1 -2:2004, IEC 60754-2:2011 and IEC 61034-2:2019
TEST CONDUCTED	1) Single Vertical (Flammability test), 2) pH test and conductivity test, 3) Measurement of smoke density test
LOCATION OF TESTING	Robust Testing Solutions Pvt. Ltd H1-958, RIICO Industrial Area, Chopanki, Bhiwadi, Rajasthan - 301019

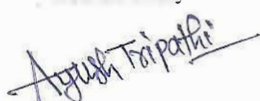
*All Information Provided by Customer.

1) The test results presented in this report relate only to the sample submitted and not drawn by Robust Testing Solutions Pvt Ltd. 2) This report shall not be reproduced in part, under any circumstances. The laboratory is responsible for all the information provided in this report, except when information is provided by the customer. 3) This report shall not be used for any legal purposes and not be used as evidence in the court of law. 4) Endorsement of product is neither inferred nor implied and shall not be used in any advertising media without written Permission of Director – Robust Testing Solutions Pvt Ltd. 5) Total Liability of Robust Testing Solutions Pvt Ltd. if any, will be limited to Invoiced amount for this report. 6) Unless Otherwise Specified, Remnant Sample (if any) shall be discarded 30 days after testing. 7) Test conformance is subject to decision rule of lab considering MU.

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Reviewed by



Sr. Testing Engineer



Authorized by



Sandeep Chhillar
Technical Manager

TEST RESULTS

S. No.	Test Conducted	Test Method	Requirements	Test Results	Remarks
1	Single Vertical (Flammability) test (Time for flame application – 60 Seconds for ≤ 25 mm diameter)				
1.1	Unaffected portion from the lower edge of the top clamp	Annex A of IEC 60332-1-2:2004	Min. = 50 mm	392	Conforms
1.2	Length charred from the lower edge of the top support		Max. = 540 mm	510	Conforms
2	pH test	Annex A of IEC 60754-2:2011	> 4.3 pH	6.15	Conforms
3	Conductivity test		< 10 $\mu\text{s}/\text{mm}$	1.672	Conforms
4	Measurement of Smoke density (smoke emission) (3m^3)	BS EN 61034-2:2019	The minimum value for the light transmittance shall not fall below 60 % at any time during the test	79.4	Conforms

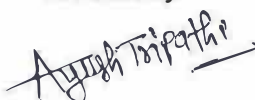
Conclusion: The Sample conforms to various requirements as observed for the above test parameters only.

End of Report

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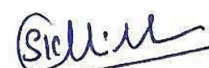
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Sandeep Chhillar
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