



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/250711-03	Discipline – Electrical	Date of Issue: 11 July 2025
ULR: TC162902500000050F	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/250G05-04
*CUSTOMER REFERENCE NO	Customer test request dated 30.06.2025
*PART CODE	GCXYLZAABBB X - Category, YY - Type, AA - Colour, BBB - Length X- T for Cat 6A, 6 for Cat 6, YY - UT for UTP, ST for STP AA - WH for white, BL- for Blue, RD for RED BBB - 001 for 1mtr, 002 for 2mtr, 010 for 10mtr
*SAMPLE DESCRIPTION	Copper Patch Cord Cat 6 and Cat 6A LSZH
PRINTING ON SAMPLE	Genius UTP Patch cord LSZH TIA/EIA 568.2-D 16/03/2025
MODE OF PACKAGING	Coil
CONDITION OF SAMPLE RECEIVED	Satisfactory
QUANTITY OF SAMPLE	30 Meters finished cable
DATE OF RECEIPT OF SAMPLE	05.07.2025
DATE (S) OF TESTING	06.07.2025 to 10.07.2025
TEST SPECIFICATION	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.

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Reviewed by

August Tripathi

Sr. Testing Engineer



Authorized by

Sandeep Chhillar

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	385	Conforms
1.2	Length charred from the lower edge of the top support		Max. = 540 mm	508	Conforms
2	pH test	Annex A of IEC 60754-2:2011	> 4.3 pH	5.84	Conforms
3	Conductivity test		< 10 μ s/mm	0.454	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	82.1	Conforms

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

End of Report

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