



AMIT TEST AND CALIBRATION CENTRE

(AN IS/ISO/IEC 17025:2017 ACCREDITED LABORATORY)

Kh.No. 45 / 7, Village Prahaladpur Bangar, Near Kali Mata Mandir, Delhi-110042

Ph.: +91- 9560959122 Email: amittestlab@gmail.com Website : www.atccclabs.com



TL-1121

TEST REPORT

Format No. 7.8	Issue Date : 19.12.2023
Test Report No. : ATCC23121104	
Issue To : Securenet Cables and Connectors Pvt Limited, 22 A/5, Cooper Road, Civil lines, Allahabad -211001	
Discipline :	Electrical
Group :	Cables & Wires
Quantity of Sample :	5 Meters (Approx)
Identification :
Condition of Sample :	Good
Sample Description :	4Pair 24 AWG CAT 6 UTP PATCH CORD
Embossing/Printing:	SECURENET TYPE CM CAT 6 UTP 60°C (UL) E495703 GIGABIT PERFORMANCE LAN CABLE EIA/TIA 568.C.2. 044/19 296 Mtrs
Reference Specification :	ANSI TIA 568 C.2 & as per customer request
Job Order No. :	23121104
Date of Receipt :	11.12.2023
Date of Testing :	16.12.2023 to 18.12.2023
Party Ref. No. & Date :
Any Other Information, if any :
Test Perform at :	Laboratory

Reviewed by
Sadhana Jadon
SADHANA JADON
(Quality Manager)



Authorised Signatory
Manohar Singh Jadon
MANOHAR SINGH JADON
(C.E.O.)



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Sl.No.	Test Conducted, Specification approved Data Sheet	Specified value	Test Results	Conformity
1	Transmission requirement			
1.1	Return loss			
1.1.1	Return loss @1 MHz,dB			
	Pair 1,2		4.2	yes
	Pair 3,6		4.0	yes
	Pair 4,5		3.8	yes
	Pair 7,8		3.8	yes
1.1.2	Return loss @ 10 MHz,dB			
	Pair 1,2		4.7	yes
	Pair 3,6		4.4	yes
	Pair 4,5		4.2	yes
	Pair 7,8		4.5	yes
1.1.3	Return loss @ 20 MHz,dB			
	Pair 1,2		5.5	yes
	Pair 3,6		5.0	yes
	Pair 4,5		5.1	yes
	Pair 7,8		5.4	yes
1.1.4	Return loss @ 100 MHz,dB			
	Pair 1,2		5.8	yes
	Pair 3,6		6.5	yes
	Pair 4,5		6.2	yes
	Pair 7,8		6.3	yes
1.1.5	Return loss @ 200 MHz,dB			
	Pair 1,2		7.7	yes
	Pair 3,6		7.5	yes
	Pair 4,5		7.2	yes
	Pair 7,8		7.5	yes
1.1.6	Return loss @ 250 MHz,dB			
	Pair 1,2		8.5	yes
	Pair 3,6		8.9	yes
	Pair 4,5		9.2	yes
	Pair 7,8		9.3	yes
1.2	NEXT Loss			
1.2.1	NEXT loss @ 1 MHz			
	Pair 1,2-3,6		3.7	yes
	Pair 1,2-4,5		3.5	yes
	Pair 1,2-7,8		3.9	yes
	Pair 3,6-4,5		4.1	yes
	Pair 3,6-7,8		3.7	yes
	Pair 4,5-7,8		3.9	yes

Reviewed by

SADHANA JADON
 (Quality Manager)



Authorised Signatory

MANOHAR SINGH JADON
 (C.E.O.)

TEST REPORT

Test Report No.: ATCC23121104

Sl.No.	Test Conducted, Specification ANSI/TIA 568 C.2 & As Per approved Data Sheet	Specified value	Test Results	Conformity
1.2.2	NEXT loss @ 10 MHz			
	Pair 1,2-3,6		4.6	yes
	Pair 1,2-4,5		4.4	yes
	Pair 1,2-7,8		4.1	yes
	Pair 3,6-4,5		4.9	yes
	Pair 3,6-7,8		4.2	yes
	Pair 4,5-7,8		4.4	yes
1.2.3	NEXT loss @ 20 MHz			
	Pair 1,2-3,6		4.9	yes
	Pair 1,2-4,5		5.2	yes
	Pair 1,2-7,8		5.6	yes
	Pair 3,6-4,5		5.0	yes
	Pair 3,6-7,8		5.2	yes
	Pair 4,5-7,8		5.1	yes
1.2.4	NEXT loss @100 MHz			
	Pair 1,2-3,6		5.9	yes
	Pair 1,2-4,5		6.2	yes
	Pair 1,2-7,8		6.1	yes
	Pair 3,6-4,5		6.5	yes
	Pair 3,6-7,8		6.6	yes
	Pair 4,5-7,8		6.2	yes
1.2.5	NEXT loss @ 200 MHz			
	Pair 1,2-3,6		6.5	yes
	Pair 1,2-4,5		7.1	yes
	Pair 1,2-7,8		6.8	yes
	Pair 3,6-4,5		7.2	yes
	Pair 3,6-7,8		7.1	yes
	Pair 4,5-7,8		7.5	yes
1.2.6	NEXT loss @ 250 MHz			
	Pair 1,2-3,6		7.4	yes
	Pair 1,2-4,5		7.1	yes
	Pair 1,2-7,8		6.8	yes
	Pair 3,6-4,5		6.9	yes
	Pair 3,6-7,8		6.5	yes
	Pair 4,5-7,8		7.2	yes

REMARKS : The sample confirms to the above requirements specified in ANSI/TIA 568 C.2 & As Per approved Data Sheet

Note: Any deviation from the standard, test method/specification- NIL

XXXXXXXXXX END OF TEST REPORT XXXXXXXXXXXX

Notes : (1). This Test Report refers only to the particular sample(s) submitted for testing. (2) This Test Report shall not be reproduced, except in full, unless written permission for the publication of an approved abstract has been obtained from the CEO, Amit Test and Calibration Centre, New Delhi. (3) Test Report shall not be utilized for any legal purpose and will not be produced in the court of law & no responsibility would be attached Amit Test and Calibration Centre. (4) The test results reported in this certificate are valid at the time of and under the stated conditions of

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