Test Verification Program

Only through stringent testing and verification can a manufacturer offer high quality and performance Category 6 (CAT 6) products. ICC has pushed the limits and took greater steps to provide just that. Through the, "Test Verification Program," ICC's CAT 6 system solutions meet today's demands for increased bandwidth and performance that exceed ANSI/TIA/EIA-568-B.2-1 CAT 6 standards.

Performance and Value

ICC's family of tuned and performance matched Category 6 modular connectors, patch panels, patch cords, and our cable partner's CAT 6 cabling deliver superior performance, quality, and value for the complete end-to-end solution. To reach this high level of quality, ICC chose National Technical Systems (NTS) to conduct the verification. Upon successful completion of both initial and final testing through the NTS Test Verification Program, NTS issued a verification certificate of conformance indicating that ICC CAT 6 solution exceed CAT 6 industry standards.

Test Verification Process

TIA standards help ensure a minimum level of performance for a cabling component or an entire system, but it's up to the manufacture to comply to those standards. Through NTS, ICC's CAT 6 system solution went through component, permanent link, and channel testing for:

A	Attenuation
NEXT	Near-End Crosstalk
ACR	Attenuation to Crosstalk Ratio
RL	Return Loss
PSNEXT	Power Sum Near-End Crosstalk
PSACR	Power Sum Attenuation to Crosstalk Ratio
ELFEXT	Equal Level Far-End Crosstalk
PSELFEXT	Power Sum Equal Level Far-End Crosstalk

PURPOSE OF TEST: To verify TIA Category 6 Performance Testing in accordance with the specifications cited below.

REFERENCES AND REQUIREMENTS: TIA/EIA-568-B.1 Commercial Building Telecommunications Cabling Standard Part 1: General Requirements, Sections 4, 6, 7, 8, and 10

TIA/EIA-568-B.2-1 Draft 10 Transmission Performance Specifications for 4-Pair 100 ohm Category 6 Cabling, Sections 5, 6, and 7, Transmission Performance, Frequency Range of 1 MHz to 250 MHz, Annex A Cabling (Field) Measurement Procedures and Annex B Test Instruments (Class 3 Testers)

ICC Category 6 Products

ICC CAT 6 MODULAR CONNECTORS

Item No.	Description
IC1078L6xx*	**Easy (EZ), 8 Position 8 Conductor**
IC1078F6xx*	**High Density (HD), 8 Position 8 Conductor**

*xx = AL, BK, BL, GN, GY, IV, OR, PR, RD, WH, YL

ICC CAT 6 PATCH CORDS

Item No.	Description
ICPCS601xx*	**1 ft., 4 UTP, 24 AWG Stranded**
ICPCS603xx*	**3 ft., 4 UTP, 24 AWG Stranded**
ICPCS605xx*	**5 ft., 4 UTP, 24 AWG Stranded**
ICPCS607xx*	**7 ft., 4 UTP, 24 AWG Stranded**
ICPCS610xx*	**10 ft., 4 UTP, 24 AWG Stranded**
ICPCS614xx*	**14 ft., 4 UTP, 24 AWG Stranded**
ICPCS620xx*	**20 ft., 4 UTP, 24 AWG Stranded**
ICPCS625xx*	**25 ft., 4 UTP, 24 AWG Stranded**

*xx = BK, BL, GN, GY, OR, RD, WH, YL

ICC CAT 6 PATCH PANELS

Item No.	Description
ICMPP0246C	**CAT 6c, 24-Port, 1 RMS**
ICMPP0486C	**CAT 6c, 48-Port, 2 RMS**
ICMPP12V6C	**CAT 6c, 12-Port, Vertical**
ICMPP0246C	**CAT 6, 24-Port, 1 RMS**
ICMPP0486C	**CAT 6, 48-Port, 2 RMS**
ICMPP12V6C	**CAT 6, 12-Port, Vertical**

NTS

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TEST REPORT
OF
ON-SITE TEST VERIFICATION PROGRAM
PERFORMED ON
TIA CATEGORY 5e AND 6 CONNECTORS AND ASSEMBLIES

VERIFIED FOR

ICC
16800 EDWARDS ROAD
CERRITOS, CALIFORNIA 90703

VERIFICATION BY

NATIONAL TECHNICAL SYSTEMS
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