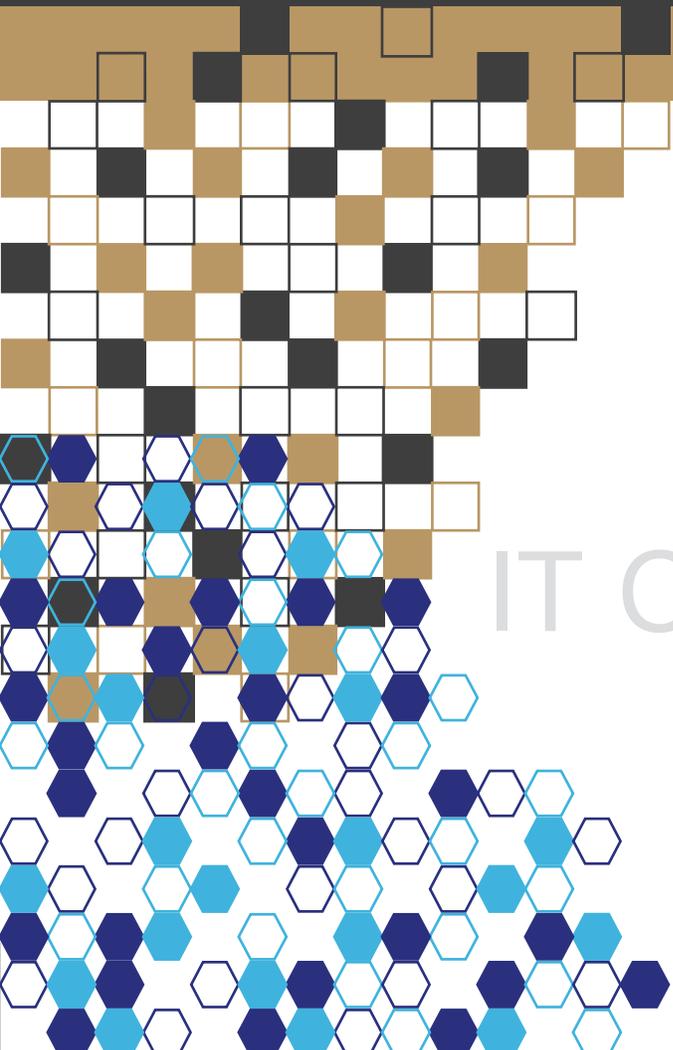


**SIGNAMAX**

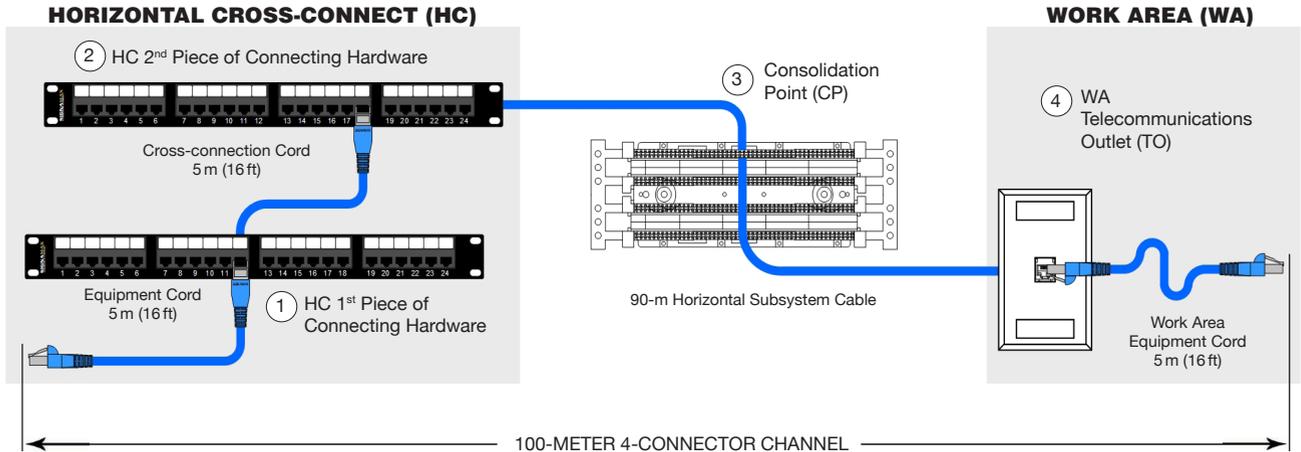


# IT Cabling Solutions

**HITACHI**  
Inspire the Next

## Signamax & Hitachi Cable America System Performance

Signamax & Hitachi Cable America (Hitachi) system quality assurance testing is based on the worst-case model - four-connector 100-meter channel - specified by the leading ANSI and IEC structured cabling standards. These tests were performed by Intertek Testing Services (ETL), and included ten parameters vital for reliable functioning of modern IT cabling systems.



**IL**

Insertion Loss, a.k.a. Attenuation, measure of how much the channel can attenuate the signal power. Important for all applications, may limit maximum transmission distance. The lower, the better.

**RL**

Return Loss, measure of signal back-reflection caused by components mismatch, cable imperfections, and installation errors; measured at the channel's transmitter end.

**NEXT**

Near-End X-Talk loss, measure of how well any two pairs in the cable can resist interference from each other; measured at the channel's transmitter end. Key parameter used to characterize quality of a transmission channel.

**PSNEXT**

Power-Sum Near-End X-Talk loss, measure of how well any pair in the cable can resist interference from all other pairs; measured at the channel's transmitter end.

**ACRN**

Attenuation-to-Crosstalk Ratio, Near end, a.k.a. ACR, measure of a pair's performance (bandwidth or headroom); measured at the channel's transmitter end.

**PSACRN**

Power-Sum Attenuation-to-Crosstalk Ratio, Far end, a.k.a. PSELFEXT, measure of overall cable performance (bandwidth or headroom); measured at the channel's transceiver end.

**ACRF**

Attenuation-to-Crosstalk Ratio, Far end, a.k.a. ELFEXT, measure of a pair's performance (bandwidth or headroom); measured at the channel's receiver end.

**PSACRF**

Power-Sum Attenuation-to-Crosstalk Ratio, Far end, a.k.a. PSELFEXT, measure of overall cable performance (bandwidth or headroom); measured at the channel's receiver end.

**PSANEXT**

Power-Sum Alien Near-End Crosstalk loss, measure of how well the cable pairs can resist interference from adjacent cables' pairs (inter-cable cross-talk); measured at the channel's transmitter end.

**PSAACRF**

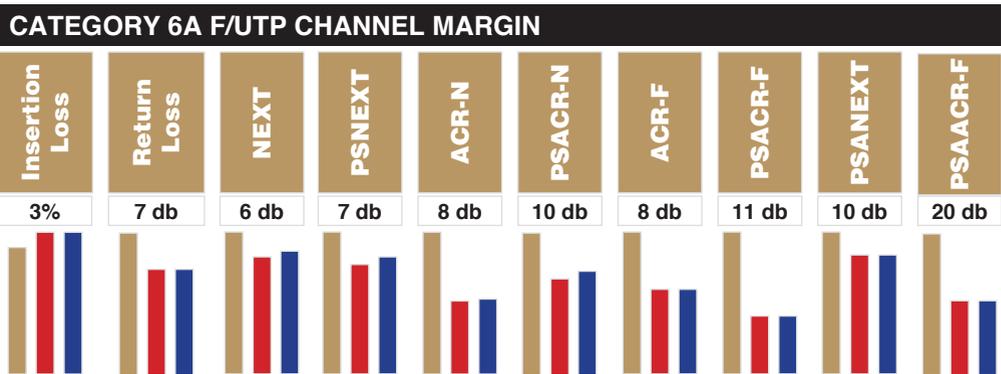
Power-Sum Attenuation-to-Alien Crosstalk Ratio, Far end, measure of how well the cable pairs can resist interference from adjacent cables' pairs (inter-cable cross-talk); measured at the channel's receiver end.

# Results...

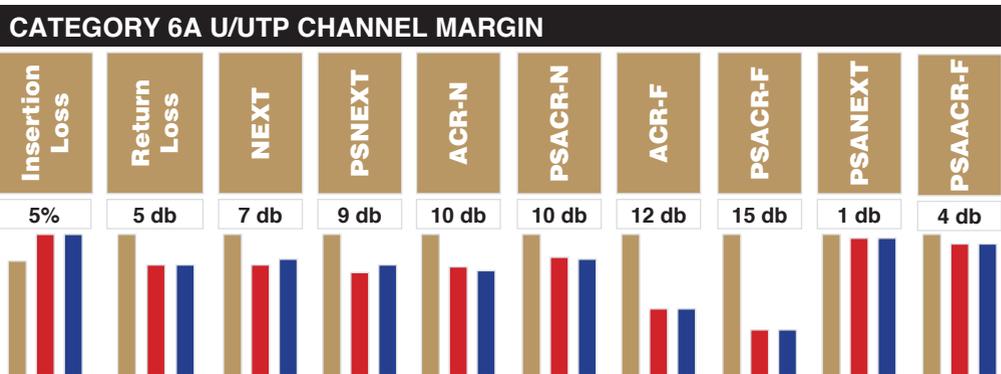
SIGNAMAX & HITACHI EXCEEDING THE STANDARDS.

■ Signamax/ Hitachi  
 ■ TIA  
 ■ IEC

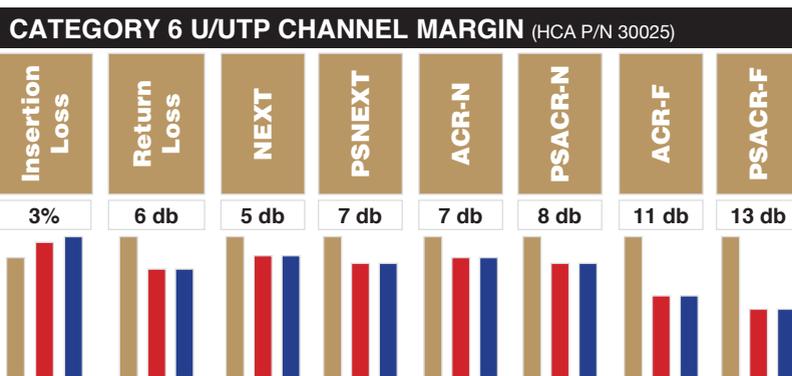
## CAT 6A SHIELDED



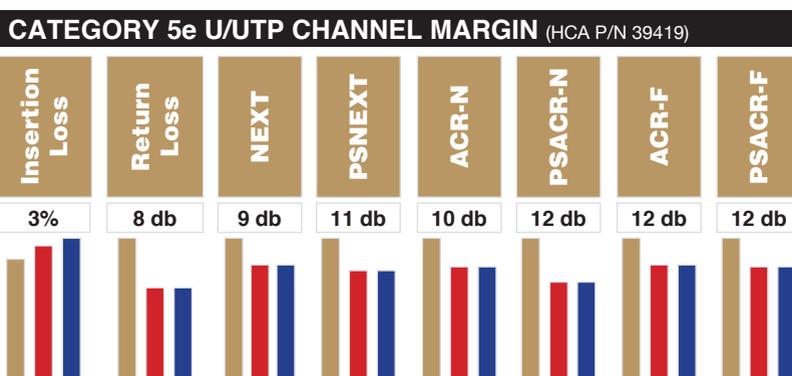
## CAT 6A



## CAT 6



## CAT 5e



CAT

6A

# Category 6A Shielded Solution

## Category 6A MT-Series Shielded Keystone Jacks



PART NO.	DESCRIPTION
KJS458MT-C6AC	Category 6A MT-Series Shielded Keystone Jack, T568A/B Wiring

Color icons/dust covers available in: **-BK** **-BU** **-GN** **-OR** **-RD** **-WH** **-YE** **-LI**

## Category 6A MT-Series Shielded Patch Panels



PART NO.	DESCRIPTION
24458S-C6A	24-Port Category 6A MT-Series Shielded Patch Panel, 1.75"H
48458S-C6A	48-Port Category 6A MT-Series Shielded Patch Panel, 3.50"H

## Category 6A Shielded Patch Cords

PART NO.	DESCRIPTION
C6AS-314CC-LFB	Category 6A Shielded Patch Cord with Snap-Proof Boots

Cable jacket color available in the following: **BK** **-BU** **-GY** **-RD** **-WH** **-YE**

Patch Cord length available in the following: 3 ft, 5 ft, 7 ft, 10 ft, 15 ft, 20 ft, 25 ft



## Hitachi Category 6A Supra 10G™ F/UTP Shielded Cable

PART NO.	DESCRIPTION
30233-8-XX3	Category 6A Supra 10G™ F/UTP CMP (Plenum) Cable
30234-8-XX3	Category 6A Supra 10G™ F/UTP CMR (Riser) Cable

For cable color substitute XX for color in P/N for color code: **BK** **-BU** **-BR** **-GY** **-RD** **-WH** **-YE**

3 = 1000 ft boxes



# CAT 6A Category 6A Solution

## Category 6A MT-Series Keystone Jacks



PART NO.	DESCRIPTION
KJS458MT-C6AC	Category 6A MT-Series Keystone Jack, T568A/B Wiring, Light Ivory

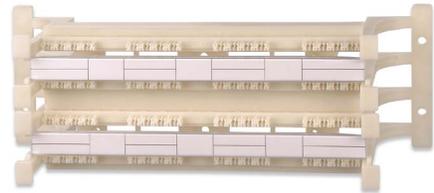
Jacks are available in the following colors: **-BK** **-BU** **-GN** **-GY** **-OR** **-RD** **-WH** **-DI** **-YE**

## Category 6A MT-Series Patch Panels



PART NO.	DESCRIPTION
24458MD-C6AC	24-Port Category 6A MD-Series Patch Panel, 1.75"H
48458MD-C6AC	48-Port Category 6A MD-Series Patch Panel, 3.50"H

## Category 6A 110 Wiring Blocks



PART NO.	DESCRIPTION
110WB6A-64PR-L	Category 6A 64-Pair 110 Wiring Block With Mounting Legs
110CB6-4PR	Category 6A 4-Pair 110 IDC Connecting Blocks, Package of 10

Also available with 32-pair and 192-pair 110 Wiring Blocks.

## Category 6A Patch Cords



PART NO.	DESCRIPTION
C6A-114CC-LFB	Category 6A Patch Cord with Snap-Proof Boots

Cable jacket color available in the following: **BK** **-BU** **-GY** **-RD** **-WH** **-YE**

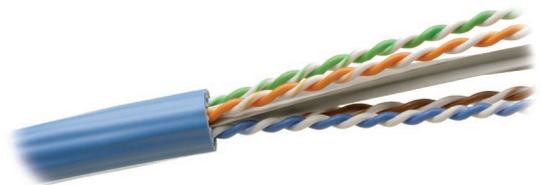
Patch Cord length available in the following: 3 ft, 5 ft, 7 ft, 10 ft, 15 ft, 20 ft, 25 ft

## Hitachi Category 6A Supra 10G™ U/UTP Unshielded Cable

PART NO.	DESCRIPTION
30218-8-XX3	Category 6A Supra 10G™ U/UTP CMP (Plenum) Cable
30222-8-XX3	Category 6A Supra 10G™ U/UTP CMR (Riser) Cable

For cable color substitute XX for color in P/N for color code: **BK** **-BU** **-BR** **-GY** **-RD** **-WH** **-YE**

3 = 1000 ft boxes



# CAT 6 Category 6 Solution

## Category 6 MT-Series Keystone Jacks



PART NO.	DESCRIPTION
KJ458MT-C6C	Category 6 MT-Series Keystone Jack, T568A/B Wiring, Light Ivory

Jacks are available in the following colors: **-BK** **-BU** **-GN** **-GY** **-OR** **-RD** **-WH** **-DI** **-YE**

## Category 6 MT-Series Patch Panels

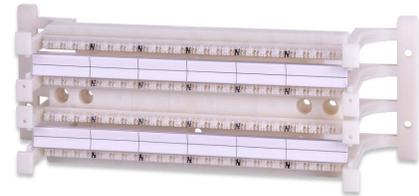


PART NO.	DESCRIPTION
24458MD-C6C	24-Port Category 6 MD-Series Patch Panel, 1.75"H
48458MD-C6C	48-Port Category 6 MD-Series Patch Panel, 3.50"H

## Category 6 110 Wiring Blocks

PART NO.	DESCRIPTION
110WB6-96PR-L	Category 6 96-Pair 110 Wiring Block With Mounting Legs
110CB6-4PR	Category 6 4-Pair 110 IDC Connecting Blocks, Package of 10

Also available with 48-pair and 288-pair 110 Wiring Blocks.



## Category 6 Patch Cords

PART NO.	DESCRIPTION
C6C-114CC-LFB	Category 6 Patch Cord with Snap-Proof Boots

Cable jacket color available in the following: **BK** **-BU** **-GN** **-GY** **-OR** **-RD** **-WH** **-YE**

Patch Cord length available in the following: 3 ft, 5 ft, 7 ft, 10 ft, 15 ft, 20 ft, 25 ft



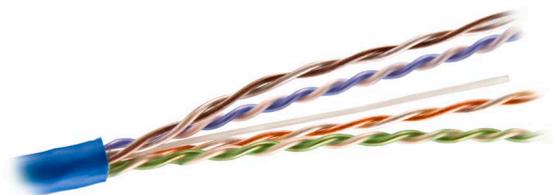
## Hitachi Category 6 U/UTP Unshielded Cable

PART NO.	DESCRIPTION
30016-8-XXY	Category 6 Supra 660™ U/UTP CMP (Plenum) Cable
30022-8-XXY	Category 6 Supra 660™ U/UTP CMR (Riser) Cable
30183-8-XXY	Category 6 Premium U/UTP CMP (Plenum) Cable
30212-8-XXY	Category 6 Premium U/UTP CMR (Riser) Cable
30025-8-XXY	Category 6 Plus™ U/UTP CMP (Plenum) Cable
30024-8-XXY	Category 6 Plus™ U/UTP CMR (Riser) Cable
30237-8-XXY	Category 6 ECO™ U/UTP CMP (Plenum) Cable
30238-8-XXY	Category 6 ECO™ U/UTP CMR (Riser) Cable

For cable color substitute XX for color in P/N for color code: **BK** **-BU** **-BR** **-GY** **-RD** **-WH** **-YE**

For packaging substitute Y in P/N for the following:

2 = 1000 ft Reelex Boxes 3 = 1000 ft Reels 4 = 1000 ft Reel-in-a-Box



## Category 5e MT-Series Keystone Jacks



PART NO.	DESCRIPTION
KJ458MT-C5E	Category 5e MT-Series Keystone Jack, T568A/B Wiring, Light Ivory

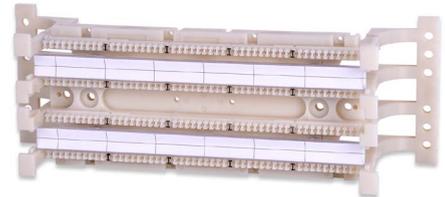
Jacks are available in the following colors: **-BK** **-BU** **-GN** **-GY** **-OR** **-RD** **-WH** **-DI** **-YE**

## Category 5e MD-Series Patch Panels



PART NO.	DESCRIPTION
24458MD-C5E	24-Port Category 5e MD-Series Patch Panel, 1.75"H
48458MD-C5E	48-Port Category 5e MD-Series Patch Panel, 3.50"H

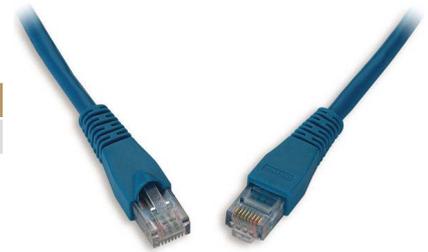
## Category 5e 110 Wiring Blocks



PART NO.	DESCRIPTION
110WB-100PR-L	Category 5e 100-Pair 110 Wiring Block With Mounting Legs
110CB-PCPR	110 IDC Connecting Block, Package of 10

Available with 50-pair and 300-pair 110 Wiring Blocks. P/N 110CB-PCPR pair count available in 3, 4, or 5 pairs.

## Category 5e Patch Cords

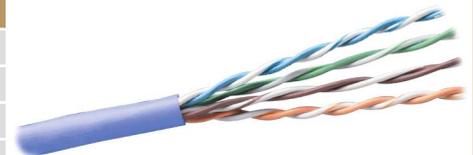


PART NO.	DESCRIPTION
C5EC-114CC-LFB	Category 5e Patch Cord with Snap-Proof Boots

Cable jacket color available in the following: **-BK** **-BU** **-GN** **-GY** **-OR** **-RD** **-WH** **-YE**

Patch Cord length available in the following: 3 ft, 5 ft, 7 ft, 10 ft, 15 ft, 20 ft, 25 ft

## Category 5e Hitachi U/UTP Unshielded Cable



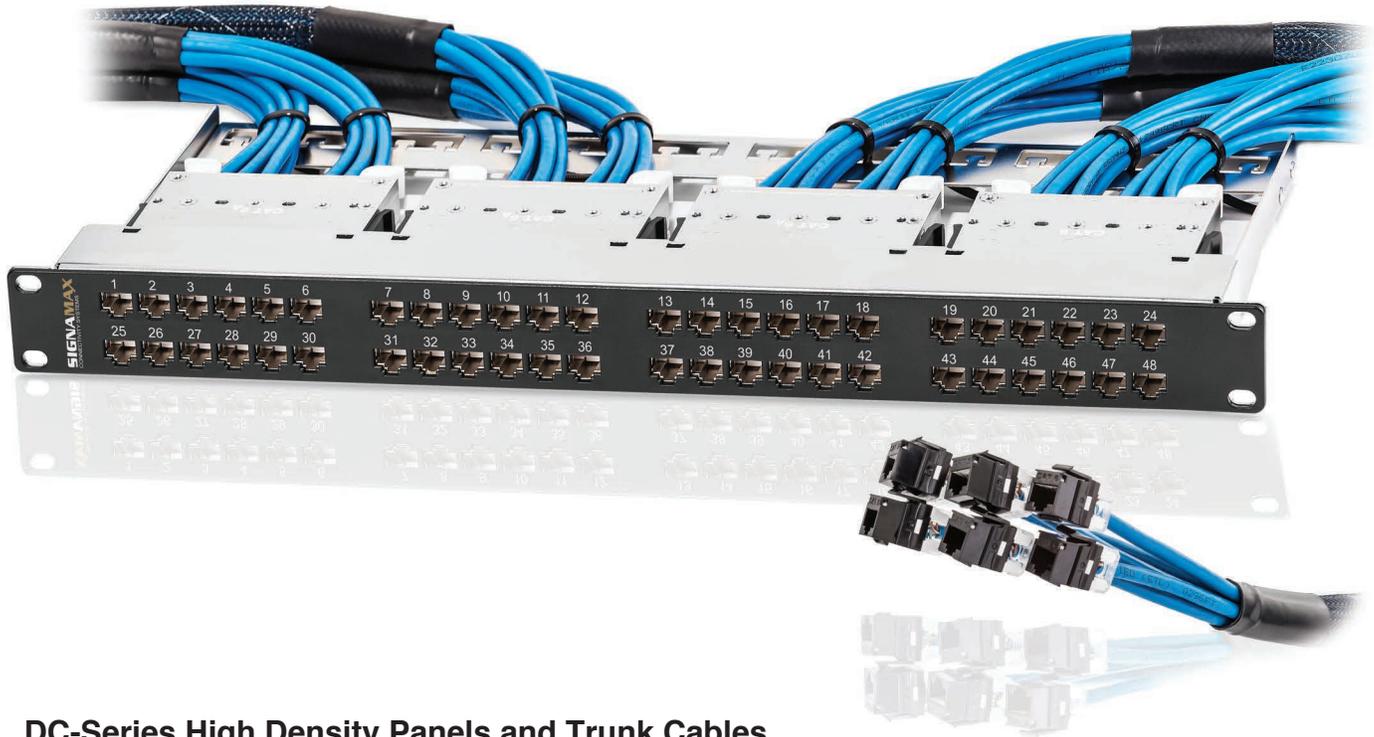
PART NO.	DESCRIPTION
38891-8-XXY	Category 5e 350™ U/UTP CMP (Plenum) Cable
38893-8-XXY	Category 5e 350™ U/UTP CMR (Riser) Cable
39419-8-XXY	Category 5e U/UTP CMP (Plenum) Cable
38696-8-XXY	Category 5e U/UTP CMR (Riser) Cable

For cable color substitute XX in P/N for color code: **-BK** **-BU** **-GY** **-RD** **-WH** **-YE**

For packaging substitute Y in P/N for the following:

2 = 1000 ft Reelex Boxes 3 = 1000 ft Reels 4 = 1000 ft Reel-in-a-Box

## Data Center IT Infrastructure Copper Solutions



### DC-Series High Density Panels and Trunk Cables

- Featuring Hitachi cable.
- Convenient approach to strategic and efficient deployment of any copper cabling project.
- Transmission performance meets or exceeds ISO/IEC 11801 and ANSI/TIA-568-C.2.
- Factory pre-terminated, assembled, and tested.

In today's technology-driven environment, Signamax Connectivity Systems has established its mission to provide the highest quality products to keep your business connected. The strength and integrity of our products is backed by the skills and experience of our technical staff. Our equipment is manufactured to the highest quality, engineered to meet stringent standards, and designed for the most demanding applications. Signamax delivers the features and benefits to run a successful, reliable, and rapid network.

Since 1986, Hitachi Cable America has been developing technologically advanced copper and fiber optic communication cables. Our dedication to engineering perfection is evident in the consistent quality and performance of all the cable products we manufacture. Through the development of high-performance cable products, such as the world's first UL verified 10-gigabit Ethernet Category 6A cable, Hitachi Cable America has established itself as a leader in the industry.

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