

# CAT 6A+ U/UTP

## COPPER CABLING SYSTEM

### About nCompass

nCompass is an innovative product offering of structured cabling solutions created by Legrand and Superior Essex.

Understanding your communications challenges allows us to offer you multiple, high-performing fiber optic and copper cabling solutions.

nCompass provides you with support, reliability, flexibility, and energy efficient solutions that exceed industry standards and are backed by a limited lifetime warranty.

This nCompass™ copper solution combines Superior Essex **10Gain® XP** U/UTP cabling and Ortronics® Clarity 6A connectivity to offer improved channel performance that exceeds industry standards. With this system, Alien Crosstalk (AXT) is negated, and the channel provides 4 dB margin over AXT performance requirements. The system also provides bandwidth beyond TIA frequency specifications. **10Gain XP** cables have a nominal 0.275 inch diameter which allows for higher cable density than other CAT 6A cable products. Together, the system offers the greatest mitigation of noise for better performance and a smaller cable for ease of installation for current 1G and future 10G needs.

### System Benefits

- Offers 4 dB margin over Alien Crosstalk performance requirements in ANSI/TIA-568-C.2 and ISO/IEC 11801 Class Ea
- Superior Essex cable provides AXT suppression and industry-leading PSACR channel margins
- Ortronics Clarity connectivity is center tuned, ensuring the greatest possible mitigation of noise; improves the overall performance of the channel
- Backed by a Limited Lifetime Warranty

### Channel Margin Guarantees

Parameter	Margin vs. TIA-568-C.2
Insertion Loss	3%
NEXT	4 dB
PSNEXT	5 dB
Return Loss	3 dB
ACRF	5 dB
PSACRF	6 dB
PSANEXT	4 dB
PSAACRF	4 dB
ACR	4 dB
PSACR	5 dB

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### Ortronics® Clarity® CAT 6A U/UTP Modular Jacks for Workstation

Description	Part Number
TracJack® Clarity 6A/10G, 180° Exit T568A/B - Fog White	OR-TJ6A*
High Density Jack Clarity 6A/10G, T68A/B - Fog White	OR-HDJ6A**

\*Standard color is Fog White. Choose from additional colors below by adding suffix designation.

-00 -36 -42 -43 -44 -45 -68 -88 -99

\*\*Standard color is Fog White. Choose from additional colors below by adding suffix designation.

-00 -36 -42 -43 -44 -45 -88



OR-TJ6A-42

OR-HDJ6A-44

### Ortronics Clarity CAT 6A U/UTP Patch Cords

Description	Part Number
Patch Cord 4 Pair Clarity 6A/10G U/UTP	OR-MC610xx-yy

xx = Length: (03), (05), (07), (09), (15), (20) or (25) feet.

yy = Patch Cord Color: choose from the colors below.

02 03 04 05 06 08 09



OR-MC61006-06

### Ortronics Clarity CAT 6A U/UTP Patch Panels and Jacks

Description	24-Port	48-Port
Angled Panel Clarity 6A/10G	OR-PHA6AU24	OR-PHA6AU48
Flat Panel Clarity 6A/10G	OR-PHD6AU24	OR-PHD6AU48
Flat PJ Jack Panel Unloaded	OR-PHDPJU24	OR-PHDPJU48
Panel Jack CAT 6A U/UTP T568A/B	OR-PJ6A**	
U/UTP Flat HDJ Panel Unloaded	OR-PHDHJU24	OR-PHDHJU48
U/UTP Angled HDJ Panel Unloaded	OR-PHAHJU24	OR-PHAHJU48
High Density Jack Clarity 6A U/UTP T568A/B	OR-HDJ6A**	-

\*Standard color is Fog White. Choose from additional colors below by adding suffix designation.

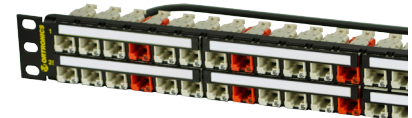
-00 -36 -42 -43 -44 -45 -68 -88 -99

\*\*Standard color is Fog White. Choose from additional colors below by adding suffix designation.

-00 -36 -42 -43 -44 -45 -88



OR-PHD6AU24



OR-PHDHJU48

### Superior Essex 10Gain® XP CAT 6A U/UTP Cable

Listing	Part Number	Nom. Diameter in (mm)	Approx. Weight lbs/kft (kg/km)	Package
CMR	6H-272-xA	0.275 (6.99)	47 (70)	1,000' Plywood Reel
CMP	6H-272-xB	0.275 (6.99)	45 (67)	1,000' Plywood Reel

x = Jacket Color. Choose from the colors below.

2 3 4 5 6 7 9 D

