

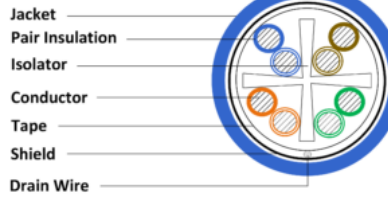
## COPPER CABLES

| SOLUTION   | CABLE         |                 |
|--|---------------|-----------------|
|  | CMR           | CMP             |
| <b>OCC-CS6300 – CATEGORY 6 SHIELDED</b>            | OCC-FTP64R-xx | OCC-FTP64PLM-xx |
| <b>OCC-C6300 – CATEGORY 6 HIGH-PERFORMANCE UTP</b> | OCC-U64HR-xx  | OCC-U64HPLM-xx  |
| <b>OCC-C6000 – CATEGORY 6 STANDARD UTP</b>         | OCC-UE64R-xx  | OCC-UE64PLM-xx  |

\*xx=COLOR: 01=Yellow; 02=Black; 03=Red; 04=Green; 05=Blue; 06=Data Grey; 07=White; 08=Violet; 09=Orange

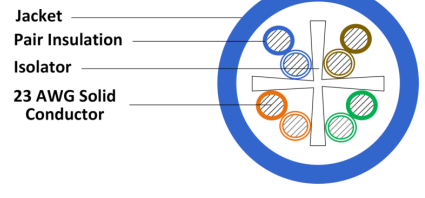
### OCC-CS6300

Cross Section Drawing



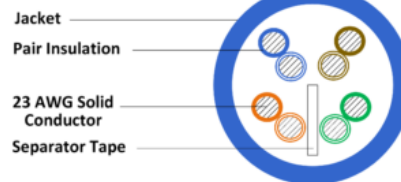
### OCC-C6300 - HIGH-PERFORMANCE

Cross Section Drawing



### OCC-C6000 - STANDARD PERFORMANCE

Cross Section Drawing



## KMJ JACKS

| DESCRIPTION  | OCC PART # |
|--|------------|
| <b>OCC-CS6300 – CATEGORY 6 SHIELDED</b>            | KMJA602S   |
| <b>OCC-C6300 – CATEGORY 6 HIGH-PERFORMANCE UTP</b> | KMJA6xx    |



\*xx=COLOR: 00=Electrical Ivory; 01=Office White; 02=Black; 03=Red; 04=Green; 05=Blue; 06=Grey; 07=White; 08=Orange; 09=Yellow; 10=Purple; 11=Brown; 12=Bright White  
Compatible with OCC-5G & OCC-2.5G Solutions.

## KMJ JACK FEATURES

- » Meets ANSI/TIA-568.2-D Category 6 specifications
- » Supports 1, 2.5, 5GBASE-T Ethernet
- » Three termination methods provide for simple, consistent, reliable terminations
- » Accommodates 22-26 AWG conductors
- » Modular Interface: 750 mating cycles
- » UL 1863
- » Available in multiple colors

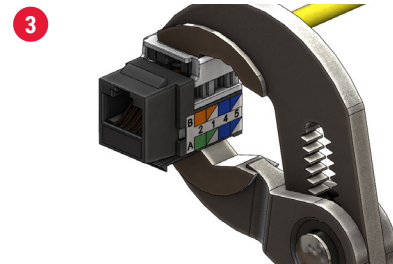
## UNSHIELDED JACKS OFFER THREE TERMINATION OPTIONS



110 IMPACT TOOL



PA8109 TERMINATION TOOL



STUFFER CAP TERMINATION METHOD

## FIELD TERMINABLE PLUGS

| DESCRIPTION                              | OCC PART # |
|--|------------|
| <b>OCC-CS6500 – CATEGORY 6A SHIELDED</b> | OCCSFP6A   |
| <b>OCC-C6500 – CATEGORY 6A UTP</b>       | OCCUFP6A   |

Also compatible with C5000, C6000, C6300 and CS6300.



- » ANSI/TIA-568.2-D Category 6A
- » IEC 60603-7-41
- » Supports IEEE 802.3an 10GBASE-T
- » Supports IEEE 802.3bt PoE++
- » Accommodates 22-24 AWG conductors
- » Modular Interface: 750 mating cycles
- » 1000 VDC Dielectric Withstand
- » Current Rating (50°C): 1A
- » 500MQ Insulation resistance
- » Temperature range: -40°C to 70°C
- » Temperature range: -40°C to 85°C (shielded version)
- » UL 1863
- » UL 2043 Certification for use in Air Handling Spaces



### APPLICATIONS

- » Wireless Access Points
- » IP Security Cameras
- » IP Access Control
- » IP Audio
- » Building Automation Devices
- » Data Center Direct Attach Cable Assemblies
- » Transition Cables

## PATCH PANELS

| DESCRIPTION  | OCC PART #                           |
|--|--------------------------------------|
| <b>OCC-CS6300 – CATEGORY 6 SHIELDED</b>            | DCC2488/110SIX-S<br>DCC4888/110SIX-S |
| <b>OCC-C6300 – CATEGORY 6 HIGH-PERFORMANCE UTP</b> | DCC2488/110SIX<br>DCC4888/110SIX     |

Compatible with OCC-C6000 & OCC-C5000 Solutions.



## PATCH CORDS

| DESCRIPTION  | OCC PART #  |
|--|-------------|
| <b>OCC-CS6300 – CATEGORY 6 SHIELDED</b>            | PCSIXSxxByy |
| <b>OCC-C6300 – CATEGORY 6 HIGH-PERFORMANCE UTP</b> | PCSIXxxByy  |

"xx" = LENGTH

"yy" = COLOR: 01=Yellow; 02=Black; 03=Red; 04=Green; 05=Blue; 06=Data Grey; 07=White; 08=Orange; 09=Brown; 10=Purple.

Compatible with OCC-C6000 & OCC-C5000 Solutions.

## HEADROOM GUARANTEE TABLE

| CATEGORY 6         | OCC-C6000 (Typical) | OCC-C6000 (Min. Margin) | OCC-C6300 (Typical) | OCC-C6300 (Min. Margin) | OCC-CS6300 (Typical) | OCC-CS6300 (Min. Margin) |
|--------------------|---------------------|-------------------------|---------------------|-------------------------|----------------------|--------------------------|
| INSERTION LOSS     | 11%                 | 5%                      | 12%                 | 8%                      | 8%                   | 5%                       |
| NEXT               | 6                   | 4                       | 8                   | 6                       | 8                    | 6                        |
| PSNEXT             | 7                   | 5                       | 8                   | 7                       | 8                    | 7                        |
| ACR                | 8                   | 6                       | 9                   | 7                       | 9                    | 7                        |
| PSACR              | 8                   | 7                       | 9                   | 8                       | 9                    | 8                        |
| ACR-F (ELFEXT)     | 10                  | 8                       | 12                  | 10                      | 12                   | 9                        |
| PSACR-F (PSEFFEXT) | 12                  | 9                       | 12                  | 12                      | 12                   | 9                        |
| RL                 | 4                   | 3                       | 5                   | 5                       | 5                    | 3                        |

**OCC-CS6300 Example: OCC guarantees a minimum of 3dB headroom above the CAT6 standard for Return Loss values up to 250MHz. Many users of OCC-CS6300 typically experience performance of 5dB above the Return Loss values in the standard. CAT6 Standard RL Spec at 250MHz is 8dB. OCC Guarantees RL of 11dB. Many users typically experience 13dB.**

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### OCC ASHEVILLE, NC

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