

OCC's Category 6A solutions are fully backed by our 25-year performance warranty without the need to perform time consuming alien crosstalk testing. Fully supports 2.5/5/10GBASE-T Ethernet – no need for additional qualification testing.

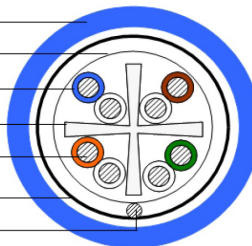
COPPER CABLES

SOLUTION	CABLE	
	CMR	CMP
OCC-CS6500 – CATEGORY 6A SHIELDED	OCC-FTP6A4R-XX	OCC-FTP6A4PLM-xx
OCC-C6500 – CATEGORY 6A SMALL OD UTP	OCC-U6A4SR-XX	OCC-U6A4SPLM-xx

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

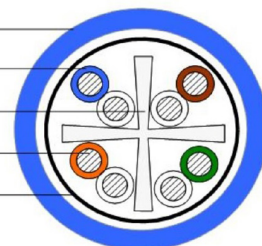
OCC-CS6500

Jacket
Tape
Insulation
Isolator
Conductor
Shield
Drain Wire



OCC-C6500

Jacket
Pair Insulation
Isolator
Conductor
Tape



OCC copper cables support all IEEE PoE standards for DC power delivery over 4-pair cabling when installed in accordance with TIA TSB-184-A guidelines.

KMJ JACKS

DESCRIPTION	OCC PART #
OCC-CS6500 – CATEGORY 6A SHIELDED	K6ASxx
OCC-C6500 – CATEGORY 6A UTP	K6Axx

*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



KMJ JACK FEATURES

- » Meets ANSI/TIA-568.2-D Category 6A specifications
- » Supports IEEE 802.3an 10GBASE-T Ethernet
- » Toolless design allows for simple, consistent, reliable terminations (Only applicable for shielded jacks)
- » Zinc alloy shielded housing ensures superior ANEXT performance (Only applicable for shielded jacks)
- » Cat6A UTP jacks accommodate 22-26 AWG conductors
- » Modular Interface: 750 mating cycles
- » UL 1863
- » Available in multiple colors
- » Front face pad printed with durable ink (Only applicable to shielded jacks)

UNSHIELDED JACKS OFFER THREE TERMINATION OPTIONS

1



110 IMPACT TOOL

2



PA8109 TERMINATION TOOL

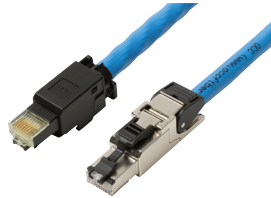
3



STUFFER CAP TERMINATION METHOD

FIELD TERMINABLE PLUGS

DESCRIPTION	OCC PART #
OCC-CS6500 – CATEGORY 6A SHIELDED	OCCSFP6A
OCC-C6500 – CATEGORY 6A UTP	OCCUFP6A



- » ANSI/TIA-568.2-D Category 6A
- » IEC 60603-7-41
- » Supports IEEE 802.3an 10GBASE-T
- » IEEE 802.3bt POE++
- » Accommodates 22-24 AWG conductors
- » Modular Interface: 750 mating cycles
- » 1000 VDC Dielectric Withstand
- » Current Rating (50°C): 1A
- » 500MΩ 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 #
OCC-CS6500 – CATEGORY 6A SHIELDED	DCC2488/1106A-S DCC4888/1106A-S
OCC-C6500 – CATEGORY 6A UTP	AK24STP6A (Unloaded 24-Port Panel) AK48STP6A (Unloaded 48-Port Panel) DCC2488/1106AN* (24-Port, 1RU) DCC4888/1106AN* (48-Port, 2RU)

* Includes K6A02 Jacks

PATCH CORDS

DESCRIPTION	OCC PART #
OCC-CS6500 – CATEGORY 6A SHIELDED	PC6AS-B-xyxy PC6ASMxxByy (28AWG Mini)
OCC-C6500 – CATEGORY 6A UTP	PC6AU-B-xyxy (Standard with Boot)

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. Also available with Plenum Rating (add "P" to end of part number).

HEADROOM GUARANTEE TABLE

CATEGORY 6A	OCC-CS6500 (Typical)	OCC-CS6500 (Min Margin)	OCC-C6500 (Typical)	OCC-C6500 (Min. Margin)
Insertion Loss	10%	3%	3%	3%
NEXT	9	4	6	4
PSNEXT	10	5	8	5
ACR	11	7	8	7
PSACR	12	8	10	8
ACR-F (ELFEXT)	8	5	5	4
PSACR-F (PSELFEXT)	8	6	6	5
RL	4	3	7	4
PSANEXT	15	10	1	0
PSAACR-F	15	10	2	2

OCC-C6500 Example: OCC guarantees a minimum of 4dB headroom above the CAT6A standard for Return Loss (RL) values up to 500 MHz. Many users of OCC-C6500 typically experience performance of 7dB above the Return Loss values in the standard. CAT6A Standard RL Spec at 500MHz is 6dB. OCC Guarantees RL of 10dB. Many users typically experience 13dB.

OCC ROANOKE, VA

Corporate Headquarters and Fiber Optic Cable Manufacturing Facility
5290 Concourse Drive
Roanoke, VA 24019 USA
540.265.0690 or 800.622.7711

OCC DALLAS, TX

Harsh Environment and Specialty Connectivity Manufacturing Facility
1700 Capital Avenue, Suite 150
Plano, TX 75074 USA
972.509.1500 or 877.509.1500

OCC ASHEVILLE, NC

Enterprise Connectivity Manufacturing Facility
33 Superior Way
Swannanoa, NC 28778 USA
828.298.2260 or 800.880.7674