MDIS CERTIFICATION OVERVIEW

OCC's Multimedia Design and Integration Specialist (MDIS) Program offers installers and end users alike the assurance of a high-caliber structured cabling system built on distinct components and proven performance. The MDIS program guarantees that products are being installed to OCC's rigorous installation standards. By using an MDIS contractor/installer, the end user can be confident they are getting a system that is built to exceed expectations and deliver superior performance.

OCC's MDIS program is designed for datacom professionals committed to installing quality structured wiring solutions. The goal of this training coursework is to equip conscientious contractors with working knowledge and experience to install, test, and ensure quality installations of OCC products and solutions. Upon completion of the training session, the Installation Company is certified as an OCC Multimedia Design and Integration Specialist (MDIS). To continue certification as an MDIS-certified contractor/installer, credentials are reviewed yearly.

BENEFITS OF BECOMING AN OCC MDIS

- Extended Performance 25-Year Channel/Link Limited Warranty to offer customers on installed cabling and connectivity components
- Simplified warranty submittal process, including direct upload access for easy file transfers
- BICSI CEC-credited training covering current and emerging standards
- Ongoing training on new OCC products and technologies
- Specification and submittal assistance, including cross-reference guides and Division 27 templates
- Technical support, including CAD/BIM models, detailed product information, and installation/application troubleshooting
- Pre-release notification on new OCC products and solutions
- Marketing assistance to promote your brand through joint literature
- Exclusive online access to OCC white papers, presentations, and technical documentation

TRAINING AND CERTIFICATION

Participation in the OCC MDIS Program requires review of each installer's credentials prior to entering the program. After they are approved, installers must attend certification training conducted by an OCC technical representative.

Course Content (25% Standards, 50% Application, 25% Hands-on)

Copper and Fiber Module includes: Cabling system topologies and terminology, Current and emerging standards, Installation and termination guides, Field testing and certification, and Hands-on instruction

BICSI Continuing Education Credits:
- RCDD CECs - 6
- INS, Level 2/Technician CECs - 6

OCC MDIS CERTIFIED INSTALLER

5 THINGS TO CONSIDER

- Know your Contractor
- Increase error-free work with trained MDIS technicians
- Ensure a quality installation with quality products
- Require a 25-year warranty for additional network protection and coverage
- Request system testing results to ensure cabling system is properly functioning

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MDIS PROGRAM & EXTENDED PERFORMANCE WARRANTY

OCC®

Connections You Can Count On.™

EXTENDED PERFORMANCE WARRANTY

For more information about becoming a certified OCC MDIS Installer, contact a member of OCC's Sales Team today.

Network integrity is an essential component of a modern building infrastructure. Increasingly, greater emphasis is being placed on datacom components and systems that provide both exceptional performance and reliability. OCC recognizes the importance of a dependable structured communications system and is committed to providing cabling and connectivity solutions that exceed industry standards. By purchasing OCC products, our customers can be assured that they are getting components that are fully warranted by OCC according to the applicable warranty statement.

EXTENDED PERFORMANCE 25-YEAR LINK AND GUARANTEED CHANNEL HEADROOM WARRANTY

OCC offers an extended system performance warranty with guaranteed headroom margin to assure installation confidence and dependability. The OCC Extended Performance 25-Year Link and Guaranteed Channel Headroom Warranty certifies that all OCC passive connecting hardware, fiber optic cable, and copper cable that have been installed by an MDIS Installer will support all applications designed for data transmission over Fiber Optic, Category 5e, Category 6, or Category 6A as applicable. These components will perform to the applicable channel and permanent link specifications of ANSI/TIA-568-C.2 Clause 6 and ISO/IEC 11801 for passive cabling channels. Additionally, OCC provides a guaranteed channel headroom margin for OCC Category 5e, Category 6, and Category 6A end-to-end channel solutions (see guaranteed headroom margin tables).

Certified permanent links comprised of OCC cable and connecting hardware are automatically covered by the Extended Performance 25-Year Link and Guaranteed Channel Headroom Warranty when OCC patch cords are used as part of the channel.

The Extended Performance 25-Year Warranty is also applicable to Modular Plug Terminated Links, as defined by ANSI/TIA-568.D-2 Annex F utilizing OCC field terminable plugs. They shall be free from defects in material and workmanship for at least 25 years from the date of purchase. A warranty application and additional required project documentation must be received and recorded by OCC prior to certificate issuance.

OCC end-to-end infrastructure solutions support IEEE standards for DC power delivery over 4-pair cabling when installed in accordance with TIA Telecommunications Systems Bulletin TSB-184-A, Guidelines for Supporting Power Delivery Over Balanced Twisted-Pair Cabling.

	CAT6A		CAT6			CAT5E
SYSTEM	**OCC•C6500**	**OCC•CS6500**	**OCC•C6300**	**OCC•CS6300**	**OCC•C6000**	**OCC•C5000**
DESCRIPTION	Categoy 6A UTP 10G System	Category 6A Shielded 10G System	Category 6 High-Performance UTP System	Category 6 Shielded System	Category 6+ Standard UTP System	Category 5e UTP System
CABLE	10G Category 6A UTP Cable (OCC-U6A4)	10G Category 6A F/UTP Cable (OCC-FTP6A4)	Enhanced Category 6 UTP Cable (OCC-U64H)	Category 6 F/ UTP Cable (OCC-FTP64)	Category 6+ UTP Cable (OCC-UE64)	Category 5e UTP Cable (OCC-U5E4)
OUTLET JACK	K6A UTP Jack	K6AS Shielded Jack	KMJA6 UTP Jack	KMJA602S Shielded Jack	KMJA6 UTP Jack	KMJA5E UTP Jack
PATCH PANEL	24/48-Port Flat or Angled Panels with K6A Jacks	24/48-Port Flat or Angled Panels with K6AS Jacks	24/48-Port Flat or Angled 110-Style Panels	24/48-Port Flat Panels with KMJA602S Jacks	24/48-Port Flat or Angled 110-Style Panels	24/48-Port Flat or Angled 110-Style Panels
PATCH CORD	PC6AU UTP Patch Cords	PC6AS Shielded Patch Cords	PCSIX UTP Patch Cords	PCSIXS Shielded Patch Cords	PCSIX UTP Patch Cords	PC5EB UTP Patch Cords

GUARANTEED HEADROOM MARGIN

CATEGORY 5e	OCC•C5000	
	CAT5e (Typical)	CAT5e (Min. Margin)
Insertion Loss	13%	10%
NEXT	10	9
PSNEXT	11	10
ACR	12	11
PSACR	12	12
ACR-F (ELFEXT)	10	9
PSACR-F (PSEFFEXT)	11	10
RL	9	6

*Typical values are for reference only and based on 4-connector channel test configuration.

CAT5E SOLUTIONS: 2.5/5GBASE-T Ethernet • 1000BASE-T Gigabit Ethernet • POE, POE+, POE++

CATEGORY 6	OCC•C6000		OCC•C6300		OCC•CS6300	
	CAT6+ Standard (Typical)	CAT6+ Standard (Min. Margin)	CAT6 Hi-Perf (Typical)	CAT6 Hi-Perf (Min. Margin)	CAT6 Shielded (Typical)	CAT6 Shielded (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	12S	9
PSACR-F (PSEFFEXT)	12	9	12	12	12	9
RL	4	3	5	5	5	3

CAT6 SOLUTIONS: 2.5/5GBASE-T Ethernet • 1000BASE-T Gigabit Ethernet • POE, POE+, POE++ • HDBASET IEEE P1911

CATEGORY 6A	OCC•CS6500		OCC•C6500	
	Cat6A Shielded (Typical)	Cat6A Shielded (Min. Margin)	Cat6A UTP (Typical)	Cat6A UTP (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 (PSEFFEXT)	8	6	6	5
RL	4	3	7	4
PSANEXT	15	10	1	0
PSAACR-F	15	10	2	2

CAT6A SOLUTIONS: 10GBASE-T Ethernet • 2.5/5GBASE-T Ethernet • 1000BASE-T Gigabit Ethernet • POE, POE+, POE++ • HDBASET IEEE P1911