COMMSCOPE®

# Uniprise® Structured Cabling Solutions Guide

# Exceptional value, proven reliability

You're not unrealistic. You're simply looking for a reliable and affordable structured cabling solution; a single portfolio that can support a variety of enterprise applications—in-building LAN and data center, outside plant and campus networks—both fiber and copper. You want hassle-free, and fast to deploy; something you can count on to support your network from day one and protect your IT investment well into the future. Say hello to Uniprise® from CommScope.

Since 2004 CommScope's Uniprise structured cabling portfolio has been a preferred solution for enterprises that need a reliable yet competitively priced infrastructure. With a complete range of copper and fiber solutions, Uniprise delivers proven performance across the enterprise. Designed for simplicity and engineered for flexibility, it meets your physical layer needs today and in the future.

Add CommScope's global research and manufacturing capabilities, product development support and 25-year warranty, and you've got everything you need to grow with confidence.

## Ten reasons to choose Uniprise

1. **One copper/fiber portfolio** for all your structure-cabled enterprise LAN, data center and campus applications

2. **Optimized performance** through ongoing third-party testing of copper solutions

3. **WebTrak®** tracks every cable through the manufacturing process and provides online access to test reports to verify performance

4. **Uniprise 25-year Solutions Warranty**

5. **Global support** with 450 Uniprise-certified installation companies, plus CommScope technical and field sales experts

6. **Certified Uniprise installer training** ensures structured cabling is always properly installed

7. **Global R&D** effort with more than 10,000 patents and patent applications

8. **Secure connectivity** for government environments

9. **Multiple RJ45 jack options** accommodate M-series, SL and keystone faceplates

10. **Significant stock available** from authorized Uniprise distributors

# Uniprise copper solutions

The Uniprise family of copper products includes twisted-pair cabling and patch cords, panels, jacks and accessories for your Category 6A, Category 6 and Category 5e applications.

## CATEGORY 6A

From the data center to in-building connectivity, Uniprise Category 6A solutions satisfy a growing list of network applications, including Wi-Fi, Power over Ethernet and 10GBASE-T. All Uniprise Category 6A solutions are available in U/UTP and F/UTP options and comply with the relevant EIA/TIA- 568-C standards.
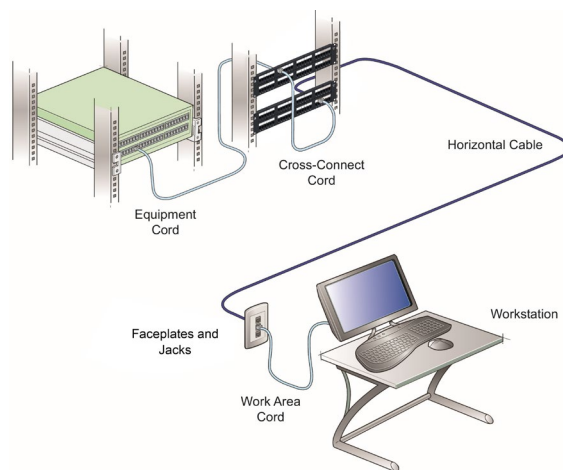
Figure 1. Typical horizontal channel design

**CS44 cable:** CommScope's CS44 Category 6A cable is guaranteed to meet all Category 6A specifications. Choose from plenum or non-plenum, unshielded twisted-pair (U/UTP) or foil-shielded twisted-pair (F/UTP) constructions. U/UTP cable is also available in convenient, easy-to-store CommPak boxes.

**Jacks:** UNJ10G (M-series) and USL-10G (SL-style) unshielded jacks are available, as well as HD-style and SL-style shielded jacks.

**Patch panels:** Category 6A patch panels are available in unshielded and shielded options, as well as flat and angled designs. Unshielded panels are available either equipped with distribution modules or in the discrete distribution module design, which accepts jacks ordered separately. Shielded panels are available only in the discrete distribution module design, with jacks ordered separately.

**Patch cords:** Uniprise Category 6A patch cords deliver superior electrical performance. They are designed with an integrated anti-snag feature that makes them excellent for high-density applications.
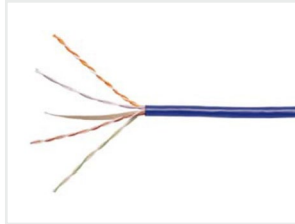
## CATEGORY 6

Uniprise Category 6 copper solutions provide excellent headroom, enabling you to expand and grow as network technology advances. Uniprise Category 6 UTP solutions are third-party tested and verified, with margin above industry standards.

**CS37 cabling:** Guaranteed to exceed Category 6 specifications, Uniprise CS37 unshielded Category 6 cable delivers excellent performance beyond industry standards. This ETL-verified cabling is available with plenum, non-plenum jacketing and comes in a variety of lengths—on reels or in CommPak boxes. A smaller outer diameter also helps improve handling and routing.
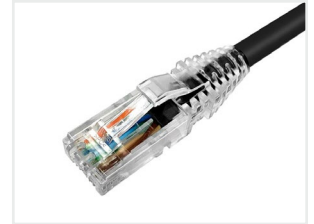
**Jacks:** Uniprise Category 6 jacks deliver excellent crosstalk margins and superior reliability. They accommodate a variety of faceplate openings, including SL, M-Series and Keystone openings for unshielded applications, and HD and SL openings for shielded applications.



**CS34 cabling:** Uniprise CS34 cabling offers unshielded as well as foil-shielded options. CS34 also features a smaller outer diameter for easier installation.



**Patch cords:** Uniprise patch Category 6 cords deliver superior electrical performance. They are designed with an integrated anti-snag feature with slim-line strain relief that makes them excellent for high-density applications.



**Patch panels:** Category 6 patch panels are available in unshielded and shielded options, as well as flat and angled designs. Unshielded panels are available either equipped with distribution modules or in the discrete distribution module design, which accepts jacks ordered separately. Shielded panels are available only in the discrete distribution module design, with jacks ordered separately.

# Uniprise fiber solutions

With OM4 and OM3 multimode and OS2 singlemode options, Uniprise fiber solutions support applications ranging from campus and outside plant installations to data centers, buildings and fiber to the desktop. Modular connectivity components—including fiber enclosures and patch panels, preterminated cassettes, modules and adapters—enable you to deploy quickly and migrate easily as your needs grow.

## DISTRIBUTION AND MPO FIBER CABLE ASSEMBLIES

Uniprise fiber cabling includes TeraSPEED® and LazrSPEED® 550 and 300 ruggedized fanout and distribution cables. MPO trunk cabling is available with LazrSPEED OM4 and TeraSPEED OS2 fiber and supports Method B polarity. Multiple fiber types and constructions make it suitable for a broad range of environments: OSP direct buried, duct and aerial, indoor/outdoor and indoor-only. The Uniprise fiber portfolio also includes a variety of termination options, from traditional field termination to fusion splicing and tool-less termination with CommScope's Qwik II connector designs.

## WALL-MOUNT FIBER ENCLOSURES

The WBE-EMT is a wall-mount fiber enclosure that handles splicing and termination of in-building fiber cable or outside plant cable. The enclosure can be configured for multiple adapter applications and is designed to accommodate the termination of up to 96 LC connections. By adding the appropriate splice holders, the enclosures can also house up to 96 single fusion splices, 72 mechanical splices or 36 mass fusion splices.

## STANDARD-DENSITY FIBER PATCH PANELS

Standard-density (SD) fiber patch panels support LazrSPEED OM3 and OM4 multimode, and TeraSPEED singlemode fiber. Use it for expanding telecommunication closets to risers, in small data centers, intelligent building connectivity, education and government structures, and more. Available in 1U, 2U and 4U configurations, it holds three splice cassettes or preterminated modules—or 36 duplex LC (72 fibers) or 24 MPO pass-through adapters (288 fibers)—in each 1U of rack space. Completely modular for easy deployment and upgrades, it's a future-ready platform for all your fiber needs.

## FIBER MODULES

The corresponding modules for the standard-density fiber panel feature a 1000-style footprint and are available with one or two 12-fiber MPO connections on the back. ReadyPATCH® fiber modules also support preterminated MPO trunk cables for rapid deployment in the data center. All fiber modules are factory tested and ready for installation. Options include keyed modules for secure network applications.



## FIBER SPLICE CASSETTES

Fiber splicing cassettes feature pre-installed fiber pigtails and support fusion splicing within the cassette. Select from LazrSPEED OM4 and TeraSPEED OS2 fiber, as well as LC, LC/APC, SC and SC/APC connectors.



## FIBER ADAPTER PACKS

Fiber adapter packs are available with MPO, LC, keyed LC, LC/APC, SC and SC/APC connectors.

# Complete confidence, end to end

The Uniprise solutions portfolio offers a full range of copper and fiber cable and connectivity, all designed for the superior mating and reliable performance your system needs. Working together across your entire network, Uniprise solutions provide a complete infrastructure platform—copper to fiber, outside to inside, backbone to the desktop.

And, with CommScope's Certified Installer Program, installation is handled by trained experts with demonstrated proficiency in areas such as industry codes and standards, infrastructure design, terminations, splicing, testing and troubleshooting. So you know it's done right.

**Complete, compatible solutions from a single trusted source: That's Uniprise from CommScope.**

# Driven. Dynamic. Dedicated.

Our 40 years of proven experience testifies to our ability to anticipate any need, solve any challenge and pursue any opportunity. With a history of results and a focus on tomorrow, CommScope is the premier choice for smarter and faster performance. With each new improvement to your network infrastructure, we are readying you for the future. To learn more, contact your CommScope account executive or visit www.commscope.com.

**LET'S GET STARTED.**

## 25-year warranty

CommScope stands behind our Uniprise solutions with a 25-year warranty for both performance and reliability. We guarantee all Uniprise solutions products are free from material and workmanship defects, and that a properly designed, installed, tested and registered structured cabling system will support any application designed to communicate via media specified by ANSI/TIA 568-C series standards. This warranty applies to Uniprise solutions installed in structured cabling systems and that have been installed and maintained by a Uniprise certified installer.

CommScope (NASDAQ: COMM) helps design,
build and manage wired and wireless networks
around the world. As a communications infrastructure
leader, we shape the always-on networks of tomorrow.
For more than 40 years, our global team of
greater than 20,000 employees, innovators and
technologists has empowered customers in all
regions of the world to anticipate what's next
and push the boundaries of what's possible.
Discover more at commscope.com

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