



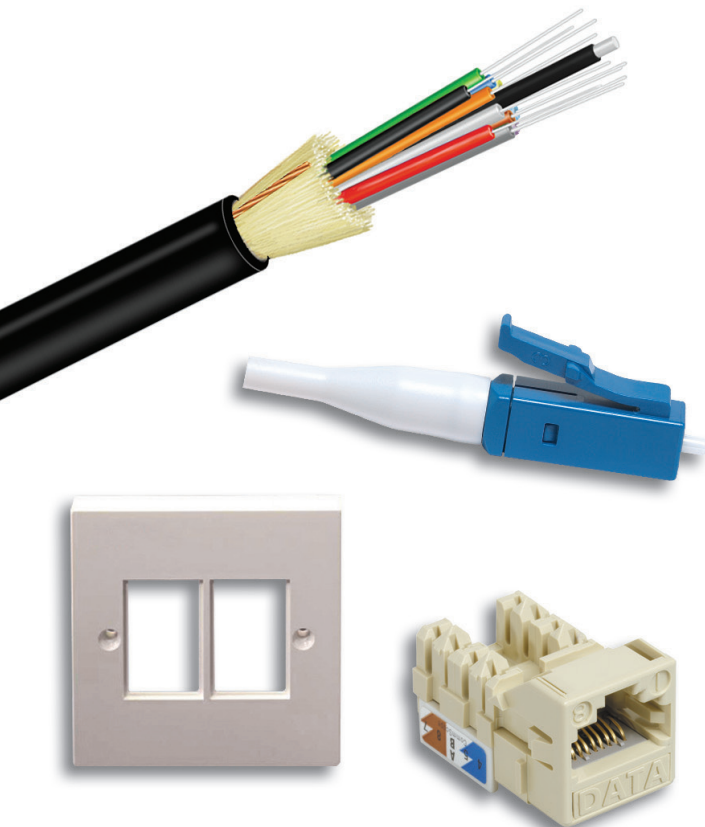
## Uniprise® Solution Brochure

Europe, Middle East, Africa (EMEA)

## Exceptional Value. Headroom to Standards. Simplicity by Design.

Uniprise delivers quality, easy-to-use solutions that work from day one to support customer's connectivity needs and extend and protect their IT investment long into the future. Proven, reliable network infrastructure technology at the right value is our hallmark and we deliver it every day.

With solutions based on a legacy of industry-leading technology, Uniprise offerings are the safe choice for the customer that wants a reliable network infrastructure solution competitively priced to suit their needs. Knowing Uniprise offerings are backed by CommScope's R&D and manufacturing excellence, and supported by a 20-year warranty, customers can trust they are investing in reliable solutions with proven technology.



## Uniprise Solutions for All Your Connectivity Needs.

Uniprise Solutions encompass Category 6, Category 5e, multimode fiber and single-mode fiber, and include cable and our extensive offering of apparatus. Engineered with performance, simplicity and flexibility in mind, our apparatus optimizes your connectivity needs. Our Uniprise Category 6 Solutions and Uniprise Category 5e are interchangeable within category. There is no need to change panels or outlets, if you upgrade within a category.

Uniprise Solutions fiber apparatus is equally flexible within Uniprise Multimode Solutions and the Uniprise Single-mode Solution. Uniprise Solutions offers a simple, but complete, solution for meeting your optical fiber telecommunications needs.

## CommScope—Where Solution Performance, Knowledge and Support Meet.

Not only is your network stronger because Uniprise Solutions are optimized for maximum performance, but because CommScope integrates the training, warranty and expert resources that come only from a proven industry leader.

- **Optimized Performance:** Total Solutions Verification for copper solutions provides ongoing third-party testing through ETL™
- **Quality Assurance:** WebTrak® online access to test reports shows your twisted pair and fiber optic cable perform as promised; cables feature unique identification numbers for tracking purposes
- **Peace of Mind:** 20-year Uniprise Solutions Warranty for all solutions
- **Knowledgeable Professionals:** over 300 Uniprise Certified Installation Companies, as well as experienced and dedicated technical support personnel and expert field sales staff
- **Installation Training:** The Certified Installer Training Program offers participants the information needed to properly install a structured cabling system
- **Leading Research and Development:** CommScope's intellectual property is protected by more than 1,300 patents and patent applications worldwide

## Warranty and Installation.

CommScope stands behind our Uniprise Solutions with a 20-year warranty for both performance and reliability. The warranty guarantees that 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 that is designed to communicate via media specified by ANSI/TIA 568-C series standards. This warranty applies to Uniprise Solutions installed in Structured Cabling Systems, which have been installed and maintained by a Uniprise Certified Installer.

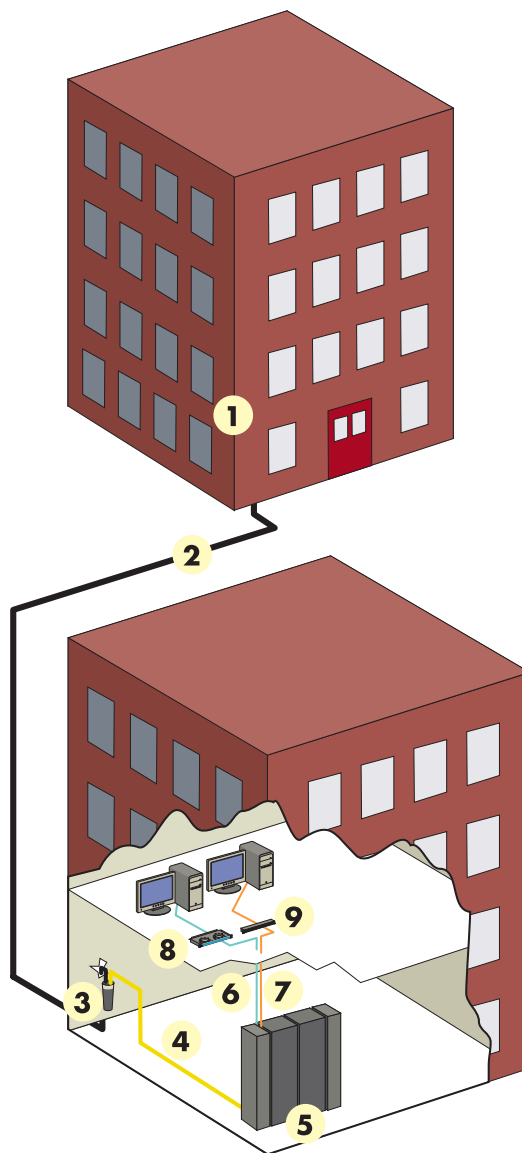
CommScope offers the Certified Installer Program to support this warranty. The program provides training from industry-certified professionals to a select group of installation companies. The training covers both theory and craft skills in areas such as codes and standards, infrastructure, terminations, splicing, testing and troubleshooting, and requires passing both a written and practical examination.



## End-to-End Solutions.

That is what we deliver for your network cabling system.

Through Uniprise Solutions, CommScope offers a full range of copper and fiber cable and connectivity that are designed for superior mateability to provide the performance your system needs. Uniprise Solutions are engineered to work together across your entire network, providing a complete telecommunications infrastructure from copper to fiber, from outside to inside, and from backbone to the desktop. Complete, compatible solutions from a single source.



- 1 Remote site
- 2 Single-mode fiber backbone
- 3 WBE or UFE closure
- 4 Single-mode fiber backbone
- 5 Main cross connect
- 6 Multimode fiber
- 7 UTP/FTP copper
- 8 Fiber enclosure/panel
- 9 Copper panel

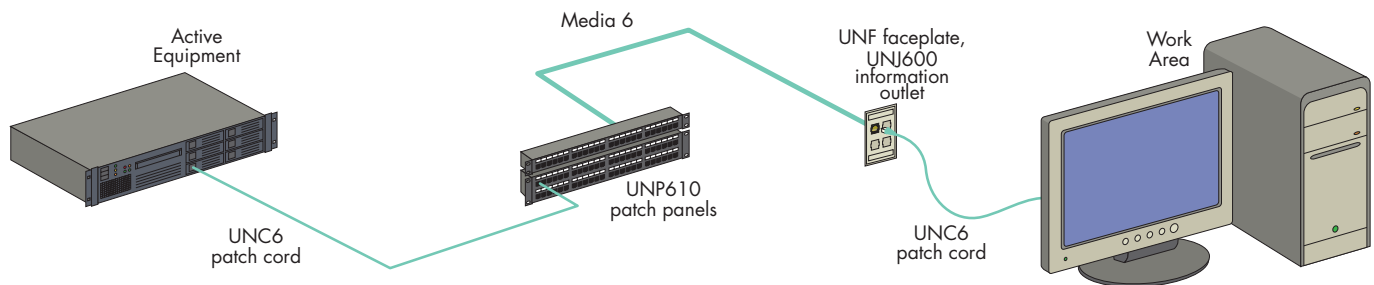
# Uniprise Category 6 Solutions

CommScope's Uniprise Media 6® copper solution is third-party verified and supported by Uniprise Category 6 apparatus. Uniprise Category 6 Solutions provide excellent headroom for future technology advances, meaning that you are less likely to have a network that is out of date as soon as you complete your installation.

## Uniprise Media 6® U/UTP and F/UTP Solutions

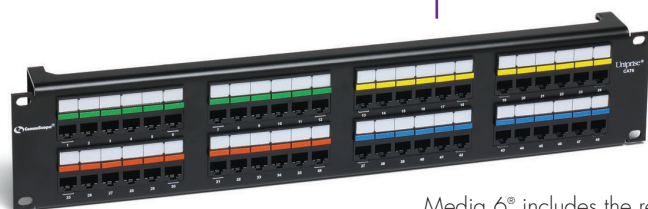
Channel performance is guaranteed to exceed Category 6 specifications, including 1 dB headroom for PSNEXT, 1 dB headroom for PSELFEXT and 1% improvement in Insertion Loss. Uniprise Media 6 FTP Solution offers users the option of a screened Category 6 solution for applications such as industrial automation with harsh environments where electromagnetic interference is high, as well as in government environments where shielding is required for network security.

### Category 6 Product Example

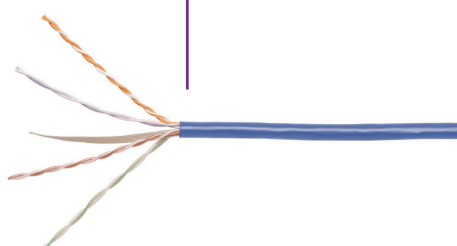
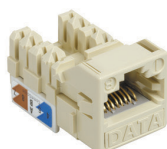


UNJ600 Category 6 outlets deliver excellent crosstalk margins and superior reliability. Can be used for straight or angled installations.

UNP610 Category 6 patch panels are available in 12-, 18-, 24- and 48-port versions. Designed with offset terminations that reduce crosstalk.



Media 6® includes the revolutionary pair separator, and a smaller OD than typical Category 6 products.



Uniprise faceplates are white and come in double, four gang and shuttered.

Uniprise Category 6 patch cords deliver superior electrical performance. Integrated anti-sag feature with slimline strain relief for high density applications.

## Product Performance Guaranteed.

Worst Case Channel Performance Guarantees

Media 6® Solution	100 MHz	200 MHz	250 MHz	Margin to Cat 6
Insertion Loss	21.1 dB	31.2 dB	35.9 dB	1.0%
NEXT Loss	40.9 dB	35.8 dB	33.1 dB	1.0 dB
Power Sum NEXT	38.1 dB	32.9 dB	30.2 dB	1.0 dB
ACR	19.8 dB	4.6 dB	-2.8 dB	1.0 dB
Power Sum ACR	17 dB	1.7 dB	-5.7 dB	1.0 dB
ELFEXT	24.3 dB	18.2 dB	15.3 dB	1.0 dB
Power Sum ELFEXT	21.3 dB	15.2 dB	12.3 dB	1.0 dB
Return Loss	13.0 dB	10.0 dB	8.0 dB	1.0 dB

ANSI/TIA 568-C and ISO/IEC 11801

# Multimode Fiber Solutions

Uniprise multimode fibre solutions allow for a cost-effective deployment of enterprise LAN network infrastructures. Whether your network calls for 10 Megabit to 10 Gigabit, our fibre optic solutions meet or exceed industry standards.

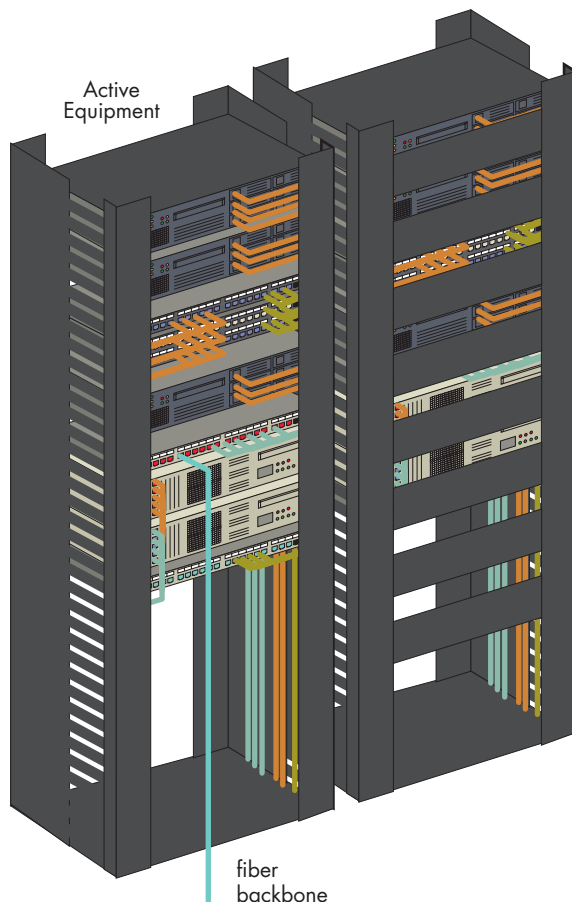
CommScope takes a flexible approach with our Uniprise Fibre Solutions. We guarantee channel distances based on the amount of combined connector and splice loss\*, instead of industry standard lengths. This allows for flexibility in design and choice of our ST, SC or LC connectors, all of which have excellent performance characteristics.

## Uniprise LazrSPEED® Solution

Support transmission using 10G 850 nm VCSEL technology to distances of 150 and 300 meters.

- Guaranteed distances assume a maximum combined connector/splice loss of 1.5 dB and cable attenuation of 3.5 dB/km for 62.5 micron and 3.0 dB/km for 50 micron.
- All distances include patch cord lengths.
- Additional connector/splice loss can be accommodated with shorter distances.
- We can support longer distances with less combined connector and splice loss.

## Multimode Fiber Product Example

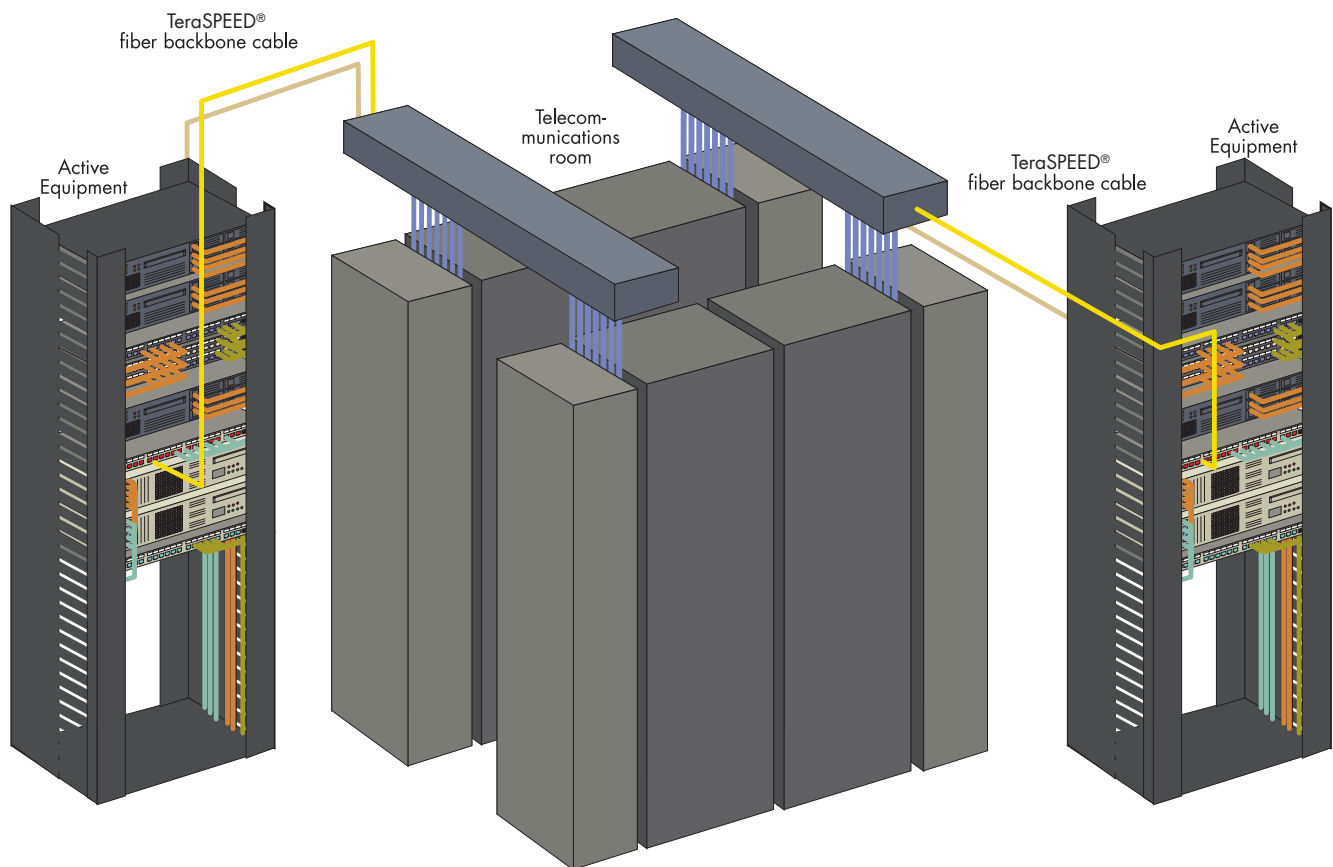


# Single-mode Fiber Solution

CommScope offers a premium Uniprise Single-mode Solution, which allows network designers to fully utilize the entire optical spectrum. With the convergence of voice and data onto a single network, fibre choices can be confusing. Uniprise TeraSPEED® Solution, however, allows for the greatest flexibility and cost-effective deployment of converged networks, and is fully backwards compatible with existing single-mode networks.

**Uniprise TeraSPEED® Solution** enables 18-channel coarse wave division multiplexing (CWDM) allowing for cost-effective bandwidth growth, and by enabling transmission from 1265nm to 1625nm, adding 30% more usable spectrum.

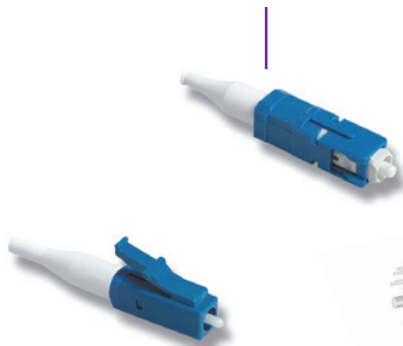
## Single-mode Fiber Product Example



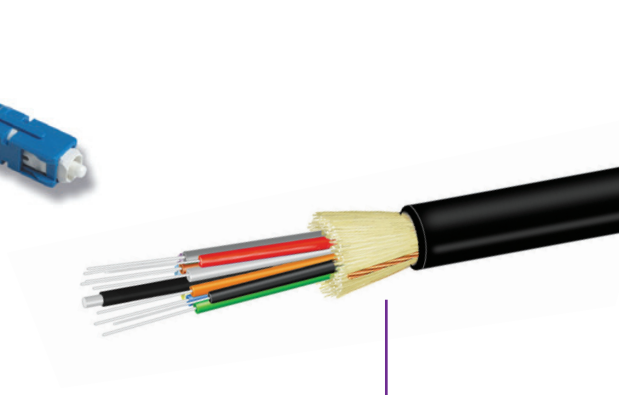


## Uniprise Multimode and Single-mode Fiber Solutions

LC small form factor connectors engage and disengage easily with excellent optical and mechanical performance.



SC push-pull style connectors are rugged and adaptable and reduce assembly time and training.

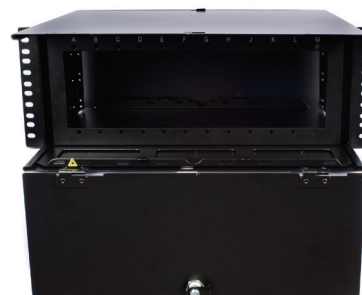


ST twistlock style connectors maintain optical contact under load and help prevent accidental disconnects.



CommScope fibre cables are engineered with excellent mechanical/optical performance and superior fire ratings.

We offer an extensive line of patch cords that maintain optical contact under load, reduce maintenance and ensure consistent optical performance.



We offer several fiber management shelves including splice, patch cord management, termination and combination shelves. We also offer shelves with pre-installed adapters/couplers.



## LAZRSPEED® 300 50-MICRON MULTIMODE FIBRE

	850nm	1300nm
Max. Attenuation, Loose Tube Cable	3.0 dB/km	1.0 dB/km
Max. Attenuation, Tight Buffer Cable	3.0 dB/km	1.0 dB/km
Bandwidth, OFL	1,500 MHz-km	500 MHz-km
Bandwidth, Laser	2,000 MHz-km	500 MHz-km
Differential Mode Delay	Exceeds IEC 60793-2 requirements for OM3	0.88 ps/m
1 Gbps Ethernet Distance	1,000 m	600 m
10 Gbps Ethernet Distance	300 m	
Numerical Aperture	0.200 ± 0.015	
Point Defects, Max.	0.15 dB	
Zero Dispersion Wavelength	1295-1340 nm	
Zero Dispersion Slope	0.105 ps/[km-nm-nm]	

## LAZRSPEED® 150 50-MICRON MULTIMODE FIBRE

	850nm	1300nm
Max. Attenuation, Loose Tube Cable	3.0 dB/km	1.0 dB/km
Max. Attenuation, Tight Buffer Cable	3.0 dB/km	1.0 dB/km
Bandwidth, OFL	700 MHz-km	500 MHz-km
Bandwidth, Laser	950 MHz-km	500 MHz-km
Differential Mode Delay	0.70 ps/m	0.88 ps/m
1 Gbps Ethernet Distance	800 m	600 m
10 Gbps Ethernet Distance	150 m	
Numerical Aperture	0.200 ± 0.015	
Point Defects, Max.	0.15 dB	
Zero Dispersion Wavelength	1295-1340 nm	
Zero Dispersion Slope	0.105 ps/[km-nm-nm]	

## TERASPEED® SINGLE-MODE FIBRE

	1310nm	1385nm	1550nm
Max. Attenuation, Loose Tube Cable	0.34 dB/km	0.31 dB/km	0.22 dB/km
Max. Attenuation, Tight Buffer Cable	0.70 dB/km	0.70 dB/km	0.70 dB/km
Mode Field Diameter	9.2 ± 0.3 µm	9.6 ± 0.6 µm	10.4 ± 0.5 µm
Group Refractive Index	1.467	1.468	1.468
Dispersion, Max.	3.5 ps/(nm-km) from 1,285 to 1,330 nm		18 ps/(nm-km)
Point Defects, Max.	0.10 dB		
Cut-off Wavelength	≤ 1260		
Zero Dispersion Wavelength	1,302-1,322 nm		
Zero Dispersion Slope, Max.	0.090 ps/[km-nm-nm]		
Polarization Mode Dispersion	≤ 0.06 ps/sqrt (km)		

### CommScope Coax Offering:

Coaxial cable's bandwidth versatility makes it ideal for a full range of applications including satellite, residential, video distribution, broadcast, industrial and security. Because of its high resistance to Electromagnetic Interference (EMI) and its sturdy construction, coax lends itself to easy installation and damage-resistant performance. As a result, it has long been a favorite of network designers.

CommScope® is a world leader in cable and connectivity solutions for communications networks. We make more high-performance, high-bandwidth cable than anyone else in the world. In fact, our resources make us capable of producing over one million feet of coax per day. With a 20 year warranty our coaxial cables are second to none, providing optimal visuals for applications across a host of markets, from healthcare to industrial, retail to residential.

### CommScope Enclosure Offering:

Through its Enclosure product line, CommScope® now provides the physical structure and protection essential to making an infrastructure solution secure and complete. Created with the same high standards of quality, performance and reliability as the physical layer solutions themselves, CommScope Enclosures now give customers a single source for all network infrastructure component needs.

CommScope Enclosures include cabinets and racks and cable management devices, all designed and built to aid installation, enhance network management and protect CommScope network infrastructure components. This infrastructure framework is created to work ideally with CommScope solutions offerings and helps further protect your network's performance and your investment.

### End-to-End Customer Solutions.

Network system performance is critical. That is why we offer quality products and services to help you design and build an infrastructure capable of handling emerging applications, expansion plans and growing security demands.

In areas where communication flow is vital, we provide efficient, reliable solutions to give you instant access, the flexibility to take advantage of new opportunities and the expertise to ensure your system remains secure and prosperous well into the future. Uniprise Solutions support the following markets:

- Broadcast
- Defense agencies
- Education
- Manufacturing/Industry
- Municipal governments
- Security





**[www.commscope.com](http://www.commscope.com)**

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