

## CommScope® TeraSPEED® Zero Water Peak Premises Cable

CommScope® Fiber Optic Cable

The CommScope® TeraSPEED® Solution was developed to provide a fiber optic solution that is the metro/campus backbone for today's performance requirements. TeraSPEED cables provide the widest possible usable wavelength spectrum by eliminating the high loss caused by water impurities. With this 'water peak' eliminated, the entire spectrum from is available, allowing for future expansion of data rates and additional services by the use of cost effective coarse wavelength division multi-plexing (CWDM).

The Cable is designed to cost-effectively future-proof enterprise campus backbones for next generation equipment. The cable uses a standard color tight buffered construction. The higher fiber count cable utilize a sub-unitized design with a color-coded sub units for easy identification.

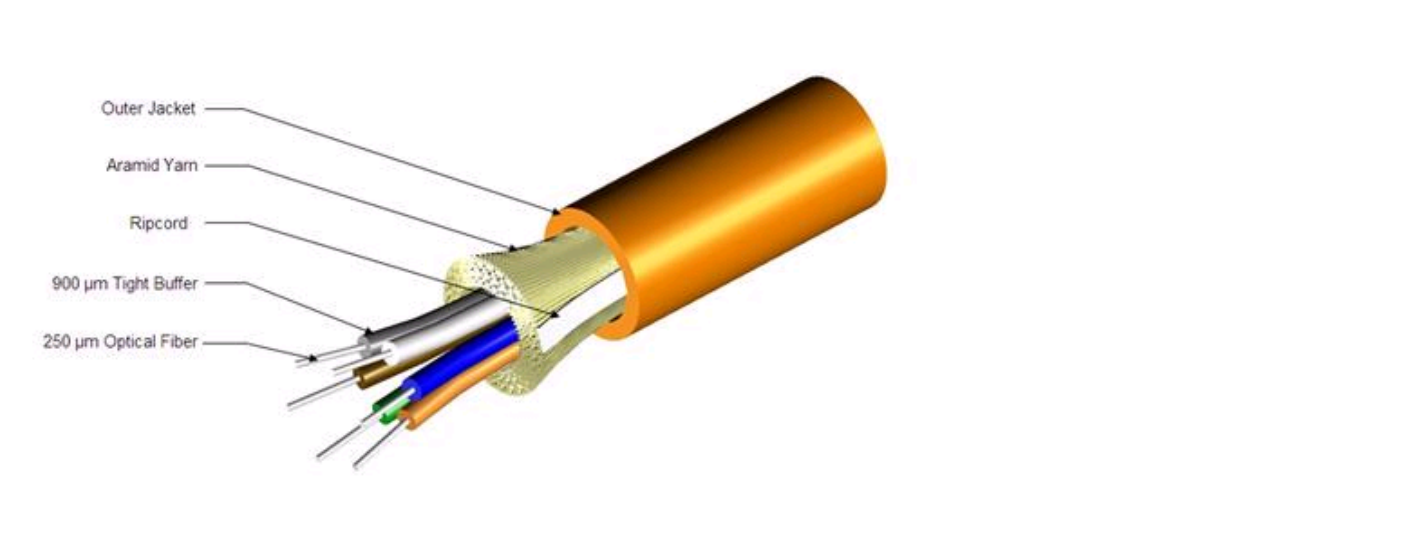
In addition to LC connectors, TeraSPEED Solution supports the duplex SC connector as well as the ST II+ connector. An extensive line of wall and rack mounted cabinets and telecommunication outlets for building entrance facilities, equipment rooms, telephone closets/floor distributors and work areas are available.

CommScope channels comprised exclusively of TeraSPEED singlemode passive products, end-to-end, are capable of delivering in accordance with application standards.

- Zero water peak singlemode fiber
- Maximizes support for lowest cost CWDM technology and delivers lowest cost path to future singlemode applications
- Supports legacy singlemode equipment and applications
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Systimax Solutions  
760055038 | N-004-DS-8W-FSUYL  
Low Smoke Zero Halogen Riser Distribution Cable, 4 fiber single-unit

## Representative Image



## General Specifications

Cable Type	Distribution
Construction Type	Non-armored
Subunit Type	Gel-free

## Construction Materials

Fiber Type Solution	TeraSPEED®, zero water peak singlemode fiber (G.652.D or G.652.D   OS2)
Total Fiber Count	4
Fiber Type	TeraSPEED®, zero water peak singlemode fiber (G.652.D or G.652.D   OS2)
Fiber Type, quantity	4
Jacket Color	Yellow

## Dimensions

Cable Weight	14.1 lb/kft   21.0 kg/km
Diameter Over Jacket	4.65 mm   0.18 in

## Physical Specifications

Minimum Bend Radius, loaded	7.0 cm   2.8 in
Minimum Bend Radius, unloaded	4.6 cm   1.8 in
Tensile Load, long term, maximum	45 lbf   200 N
Tensile Load, short term, maximum	150 lbf   667 N
Vertical Rise, maximum	500.0 m   1640.4 ft

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## Flame Test Specifications

Flame Test Listing	NEC OFNR-LS (ETL) and c(ETL)
Flame Test Method	IEC 60332-3   IEC 60754-2   IEC 61034-2   IEEE 383   UL 1666   UL 1685

## Environmental Specifications

Environmental Space	Low Smoke Zero Halogen (LSZH)   Riser
Installation Temperature	-30 °C to +70 °C (-22 °F to +158 °F)
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)

## Mechanical Test Specifications

Compression	10 N/mm   57 lb/in
Compression Test Method	FOTP-41   IEC 60794-1-2, Section 7
Flex	100 cycles
Flex Test Method	FOTP-104   IEC 60794-1-2, Section 10
Impact	4.34 ft lb   5.88 N-m
Impact Test Method	FOTP-25   IEC 60794-1-2, Section 8
Strain	See long and short term tensile loads
Strain Test Method	FOTP-33   IEC 60794-1-2, Section 5
Twist	10 cycles
Twist Test Method	FOTP-85   IEC 60794-1-2, Section 11

## Environmental Test Specifications

Heat Age	-40 °C to +85 °C (-40 °F to +185 °F)
Heat Age Test Method	Not applicable
Low High Bend	-40 °C to +70 °C (-40 °F to +158 °F)
Low High Bend Test Method	FOTP-28   IEC 60794-1-2, Section 28
Temperature Cycle	-40 °C to +70 °C (-40 °F to +158 °F)
Temperature Cycle Test Method	FOTP-3   IEC 60794-1-2, Section 22

## Qualification Specifications

Cable Qualification Standards	ANSI/ICEA S-83-596-2001   Telcordia GR-409-CORE Issue 2
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## Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system



## Included Products

CS-8W-TB (Product Component—not orderable) — TeraSPEED® Singlemode Fiber