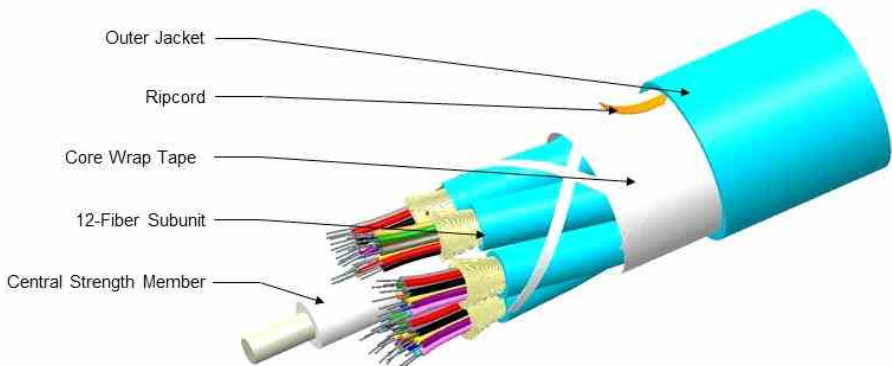




760018887 | R-144-DS-8W-FMUYL  
Riser Distribution Cable, 144 fiber multi-unit with 12 fiber subunits

## 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, G.657.A1)
Total Fiber Count	144
Fiber Type	TeraSPEED®, zero water peak singlemode fiber (G.652.D, G.657.A1)
Fiber Type, quantity	144
Fibers per Subunit, quantity	12
Jacket Color	Yellow

## Dimensions

Buffer Tube/Subunit Diameter	5.95 mm   0.23 in
Cable Weight	351.0 lb/kft   522.0 kg/km
Diameter Over Jacket	25.75 mm   1.01 in
Subunit, quantity	12

## Physical Specifications

Minimum Bend Radius, loaded	38.6 cm   15.2 in
Minimum Bend Radius, unloaded	25.7 cm   10.1 in
Tensile Load, long term, maximum	90 lbf   400 N
Tensile Load, short term, maximum	300 lbf   1335 N
Vertical Rise, maximum	78.0 m   255.9 ft

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## Flame Test Specifications

Flame Test Listing	NEC OFNR (ETL) and c(ETL)
Flame Test Method	UL 1666

## Environmental Specifications

Environmental Space	Riser
Installation Temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Operating Temperature	-20 °C to +70 °C (-4 °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 E3
Flex	100 cycles
Flex Test Method	FOTP-104   IEC 60794-1 E6
Impact	4.34 ft lb   5.88 N-m
Impact Test Method	FOTP-25   IEC 60794-1 E4
Strain	See long and short term tensile loads
Strain Test Method	FOTP-33   IEC 60794-1 E1
Twist	10 cycles
Twist Test Method	FOTP-85   IEC 60794-1 E7

## Environmental Test Specifications

Heat Age	-20 °C to +85 °C (-4 °F to +185 °F)
Heat Age Test Method	IEC 60794-1 F9
Low High Bend	-20 °C to +70 °C (-4 °F to +158 °F)
Low High Bend Test Method	FOTP-37   IEC 60794-1 E11
Temperature Cycle	-20 °C to +70 °C (-4 °F to +158 °F)
Temperature Cycle Test Method	FOTP-3   IEC 60794-1 F1

## Qualification Specifications

Cable Qualification Standards	ANSI/ICEA S-83-596   Telcordia GR-409
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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

## \* **Footnotes**

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Operating Temperature Specification applicable to non-terminated bulk fiber cable