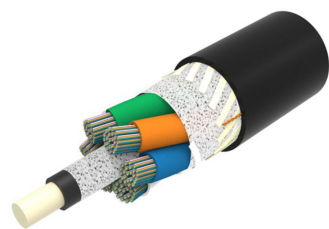


760241354 | D-864-LN-RR-F12NS/8W/99H

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Fiber OSP cable, Non-Armored, All-Dielectric, Gel-Free, Stranded Loose Tube Rollable Ribbon, 864 fiber, Singlemode G.652.D and G.657.A1, Feet jacket marking, Black jacket color

### Product Classification

Regional Availability	Asia   Australia/New Zealand   EMEA   Latin America   North America
Portfolio	CommScope®
Product Type	Fiber OSP cable
Product Series	D-LN

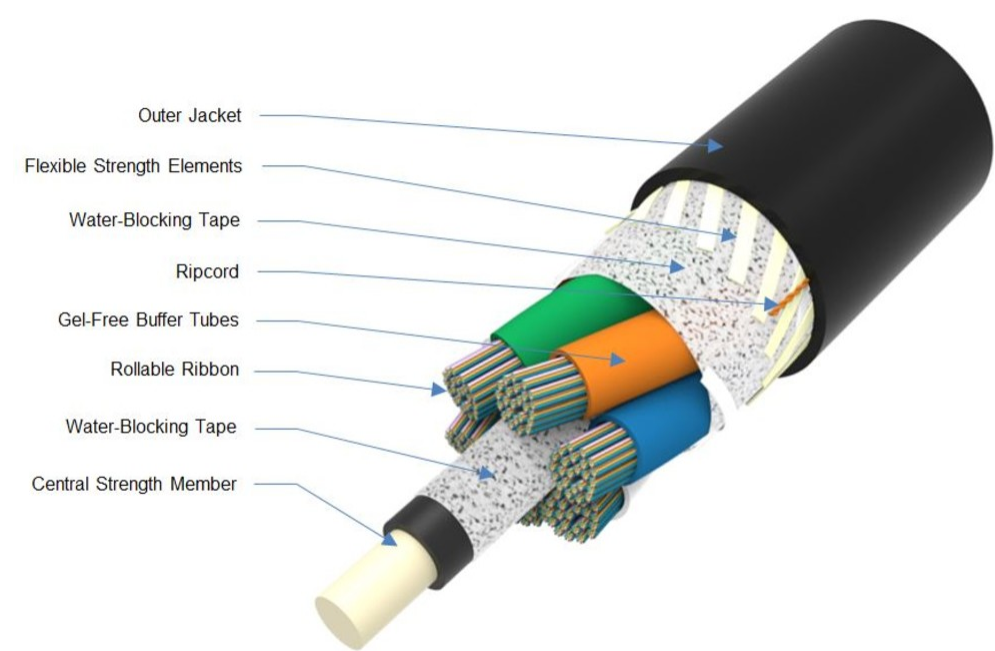
### General Specifications

Cable Type	Ribbon loose tube
Construction Type	Non-armored
Subunit Type	Gel-free
Fibers per Ribbon, quantity	12
Filler, quantity	0
Jacket Color	Black
Jacket Marking	Feet
Subunit, quantity	6
Fibers per Subunit, quantity	144
Total Fiber Count	864

### Dimensions

Buffer Tube/Subunit Diameter	6 mm   0.236 in
Diameter Over Jacket	21 mm   0.827 in

### Representative Image



Mechanical Specifications

Minimum Bend Radius, loaded	314 mm   12.362 in
Minimum Bend Radius, unloaded	314 mm   12.362 in
Tensile Load, long term, maximum	1481 N   332.942 lbf
Tensile Load, short term, maximum	4488 N   1,008.943 lbf
Compression	22 N/mm   125.623 lb/in
Compression Test Method	FOTP-41   IEC 60794-1 E3
Flex	25 cycles
Flex Test Method	FOTP-104   IEC 60794-1 E6
Impact	4.4 N-m   38.943 in lb
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

Optical Specifications

Fiber Type	G.652.D and G.657.A1   G.652.D and G.657.A1
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## Environmental Specifications

Installation temperature	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	-40 °C to +75 °C (-40 °F to +167 °F)
Cable Qualification Standards	ANSI/ICEA S-87-640   RUS PE-90 (7CFR 1755.900)   Telcordia GR-20
Environmental Space	Aerial, lashed   Buried
Jacket UV Resistance	UV stabilized
Water Penetration	24 h
Water Penetration Test Method	FOTP-82   IEC 60794-1 F5

## Environmental Test Specifications

Heat Age	-40 °C to +85 °C (-40 °F to +185 °F)
Heat Age Test Method	IEC 60794-1 F9
Low High Bend	-30 °C to +60 °C (-22 °F to +140 °F)
Low High Bend Test Method	FOTP-37   IEC 60794-1 E11
Temperature Cycle	-40 °C to +70 °C (-40 °F to +158 °F)
Temperature Cycle Test Method	FOTP-3   IEC 60794-1 F1

## Packaging and Weights

Cable weight	315 kg/km   211.67 lb/kft
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## Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



## Included Products

CS-8W-RR-OUTDOOR – TeraSPEED® Singlemode Fiber Rollable Ribbon

## \* Footnotes

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**Operating Temperature** Specification applicable to non-terminated bulk fiber cable