

Fiber OSP cable, TeraSPEED® Single Jacket All-Dielectric, Gel-Free, 96 fiber, Stranded Loose Tube, Composite OM3 and G.652.D and G.657.Al, 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 Stranded loose tube

Construction Type Non-armored

Subunit TypeGel-freeJacket ColorBlackJacket MarkingFeet

Subunit, quantity 8
Fibers per Subunit, quantity 12

Composite Fiber Count 72 + 24

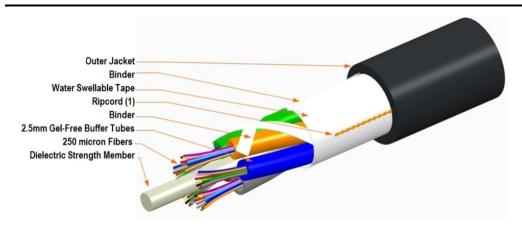
Total Fiber Count 96

Dimensions

Buffer Tube/Subunit Diameter2.5 mm0.098 inDiameter Over Jacket12 mm0.472 in

Representative Image





Material Specifications

Jacket Material PE

Mechanical Specifications

Minimum Bend Radius, loaded 180 mm | 7.087 in

Minimum Bend Radius, unloaded 120 mm | 4.724 in

Tensile Load, long term, maximum 800 N | 179.847 lbf

Tensile Load, short term, maximum 2700 N | 606.984 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 4.41 N-m | 39.032 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

Vertical Rise, maximum 904 m | 2,965.879 ft

Optical Specifications

Fiber Type Composite MM/SM | G.652.D and G.657.A1, TeraSPEED® | OM3,

LazrSPEED® 300 | OS2

COMMSCOPE®

Environmental Specifications

Installation temperature -30 °C to +70 °C (-22 °F to +158 °F) -40 °C to +70 °C (-40 °F to +158 °F) **Operating Temperature Storage Temperature** -40 °C to +75 °C (-40 °F to +167 °F) ANSI/ICEA S-87-640 | EN 187105 **Cable Qualification Standards**

Environmental Space Aerial, lashed | Buried

UV stabilized **Jacket UV Resistance**

Water Penentration 24 h

Water Penentration Test Method FOTP-82 | IEC 60794-1 F5

Environmental Test Specifications

Cable Freeze -2 °C | 28.4 °F

Cable Freeze Test Method FOTP-98 | IEC 60794-1 F15

Heat Age -40 °C to +85 °C (-40 °F to +185 °F)

IEC 60794-1 F9 **Heat Age Test Method**

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)

FOTP-3 | IEC 60794-1 F1 **Temperature Cycle Test Method**

Packaging and Weights

Cable weight 90 kg/km | 60.477 lb/kft

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 www.commscope.com/ProductCompliance

ROHS Compliant **UK-ROHS** Compliant





Included Products



CS-5M-LT – LazrSPEED® 150 OM2+ Bend-Insensitive Multimode

Fiber

CS-8W-LT - TeraSPEED® G652D/G657A1 Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

