

Fiber indoor/outdoor cable, All-Dielectric, LSZH, Gel-Free, Riser Rated, Central Core Rollable Ribbon, 2880 fiber, Singlemode G.657.A2, Feet jacket marking, Black jacket color, Cca flame rating

Product Classification

Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America | North

America

Portfolio CommScope®

Product Type Fiber indoor/outdoor cable

Product Series Z-CN

General Specifications

Cable Type Ribbon central tube

Construction Type Non-armored

Subunit Type Gel-free

Fibers per Ribbon, quantity 12

Jacket Color Black

Jacket Marking Feet

Fibers per Subunit, quantity 144

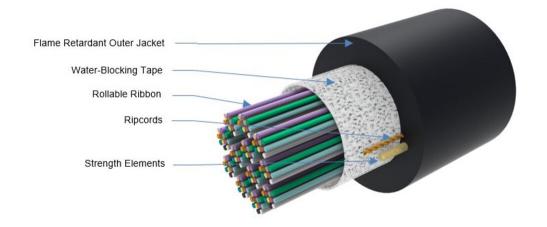
Total Fiber Count 2880

Dimensions

Diameter Over Jacket 28 mm | 1.102 in

Representative Image





Mechanical Specifications

Minimum Bend Radius, loaded 560 mm | 22.047 in

Minimum Bend Radius, unloaded280 mm11.024 inTensile Load, long term, maximum810 N182.095 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 4.4 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.657.A2

Environmental Specifications

Installation temperature $-20 \,^{\circ}\text{C}$ to $+60 \,^{\circ}\text{C}$ (-4 $^{\circ}\text{F}$ to $+140 \,^{\circ}\text{F}$)

Operating Temperature $-40 \,^{\circ}\text{C}$ to $+70 \,^{\circ}\text{C}$ (-40 $^{\circ}\text{F}$ to $+158 \,^{\circ}\text{F}$)

Page 2 of 4

-40 °C to +70 °C (-40 °F to +158 °F) **Storage Temperature**

ANSI/ICEA S-104-696 | Telcordia GR-20 **Cable Qualification Standards**

EN50575 CPR Cable EuroClass Fire Performance Cca **EN50575 CPR Cable EuroClass Smoke Rating** s1b **EN50575 CPR Cable EuroClass Droplets Rating** d0 **EN50575 CPR Cable EuroClass Acidity Rating** a1

Aerial, lashed | Buried | Low Smoke Zero Halogen (LSZH) | Riser **Environmental Space**

Flame Test Method UL 1666 | UL 1685

Jacket UV Resistance UV stabilized

Water Penetration 24 h

Water Penetration 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)

Heat Age Test Method IEC 60794-1 F9

Low High Bend -20 °C to +60 °C (-4 °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 720 kg/km | 483.818 lb/kft

Regulatory Compliance/Certifications

Classification Agency **ANATEL** Compliant

CHINA-ROHS Below maximum concentration value

REACH-SVHC Compliant as per SVHC revision on www.commscope.com/ProductCompliance

ROHS Compliant **UK-ROHS** Compliant







Included Products

CS-8G1-200UM-LT

- 200 Micron Enhanced Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber (ITU-T G.657.A2, B2)

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

