



Fiber OSP cable, Outdoor Steel Armored, Gel-Free, Stranded Loose Tube Rollable Ribbon, 864 fiber, Singlemode G.652.D and G.657.A1, Feet jacket marking, Black jacket color, Build America Buy America (BABA)

- *Product complies with the Build America, Buy America Act (BABAA) requirements of the Infrastructure Investment and Jobs Act of 2021 (Pub. L. 117- 58, §§ 70901-70953), or is the subject of a waiver approved by the Secretary of Commerce or designee. Compliance requirements and waiver applicability vary based on government funding program. Check the laws and regulations for your specific program.

Product Classification

Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Portfolio	CommScope®
Product Type	Fiber OSP cable
Product Series	D-LA
Government Requirements	Build America Buy America (BABA) compliant*

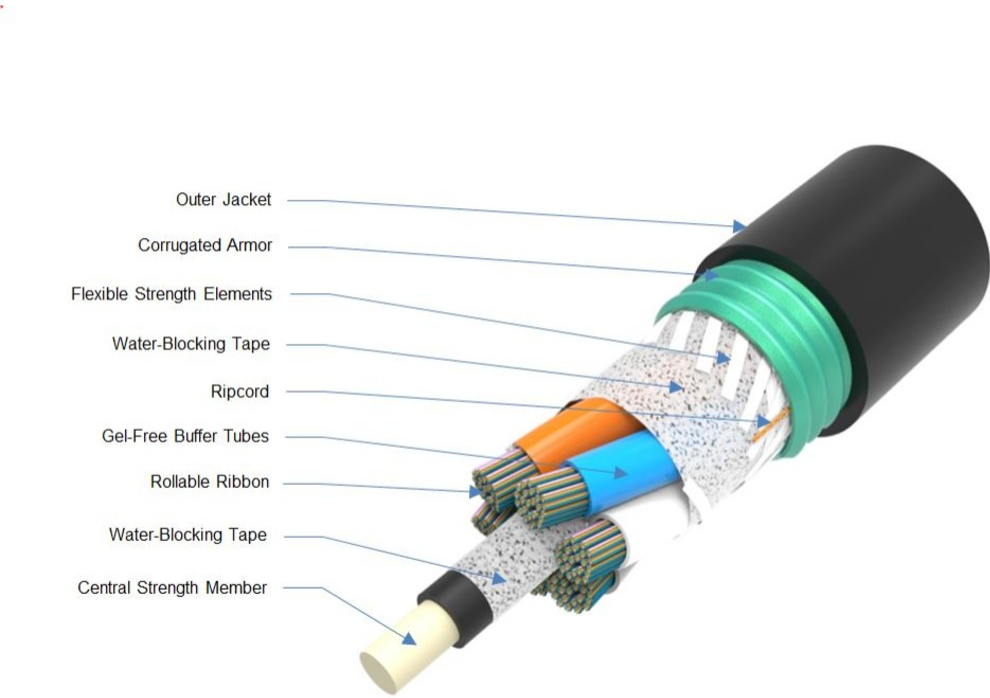
General Specifications

Cable Type	Ribbon loose tube
Construction Type	Armored
Subunit Type	Gel-free
Fibers per Ribbon, quantity	12
Filler, quantity	0
Jacket Color	Black
Jacket Marking	Feet
Location of Manufacturing	Claremont, North Carolina Claremont, North Carolina
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	23.2 mm 0.913 in

Representative Image



Mechanical Specifications

Minimum Bend Radius, loaded	348 mm 13.701 in
Minimum Bend Radius, unloaded	348 mm 13.701 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

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 Qualification Method

ANSI/ICEA S-87-640

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

418 kg/km | 280.883 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-8W-RR-OUTDOOR – TeraSPEED® Singlemode Fiber Rollable Ribbon

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable