760241356 | D-432-LA-RR-F12NS/8W/99H

Fiber OSP cable, Outdoor Steel Armored, Gel-Free, Stranded Loose Tube Rollable Ribbon, 432 fiber, Singlemode G.652.D and G.657.A1, Feet jacket marking, Black jacket color
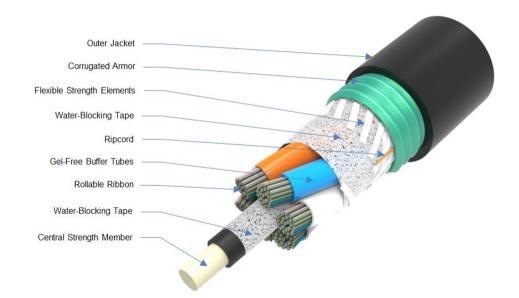
Product Classification

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

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
Subunit, quantity	6
Fibers per Subunit, quantity	72
Total Fiber Count	432

Dimensions

Buffer Tube/Subunit Diameter	4.5 mm	0.177 in
Diameter Over Jacket	18.6 mm	0.732 in

Representative Image

COMMSCOPE®

Outer Jacket
Corrugated Armor
Flexible Strength Elements
Water-Blocking Tape
Ripcord
Gel-Free Buffer Tubes
Rollable Ribbon
Water-Blocking Tape
Central Strength Member

Mechanical Specifications

Minimum Bend Radius, loaded	279 mm | 10.984 in
Minimum Bend Radius, unloaded	279 mm | 10.984 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)
Environmental Space	Aerial, lashed	Buried
Jacket UV Resistance	UV stabilized
Water Penentration	24 h
Water Penetration Qualification Method	ANSI/ICEA S-87-640
Water Penentration 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	290 kg/km	194.871 lb/kft

Regulatory Compliance/Certifications

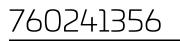| Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

Included Products

CS-8W-RR-OUTDOOR

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

* Footnotes

Operating Temperature   Specification applicable to non-terminated bulk fiber cable

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