760244108 0-006-LN-8W-F06NS/20T/HTS



Fiber OSP cable, TeraSPEED® Mini Single Jacket All-Dielectric, High Tensile Strength, 6 fiber, Singlemode G.652.D and G.657.A1, Gel-Filled, Outdoor Stranded Loose Tube, Black jacket color, Feet cable marking, Provides Rodent Resistance

• Additional layer of e-glass for enhanced rodent resistance

Product Classification

Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Portfolio	CommScope®
Product Type	Fiber OSP cable
Product Series	O-LN
General Specifications	
Cable Type	Stranded loose tube
Construction Type	Non-armored
Subunit Type	Gel-filled
Filler, quantity	5
Jacket Color	Black
Jacket Marking	Feet
Subunit, quantity	1
Fibers per Subunit, quantity	6
Total Fiber Count	6
Dimensions	
Buffer Tube/Subunit Diameter	2 mm 0.079 in
Diameter Over Jacket	11.6 mm 0.457 in

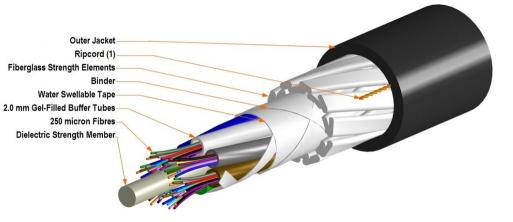
Representative Image

Page 1 of 4

©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: June 6, 2024



760244108 | 0-006-LN-8W-F06NS/20T/HTS



Material Specifications

Jacket Material	PE
Mechanical Specifications	
Minimum Bend Radius, loaded	174 mm 6.85 in
Minimum Bend Radius, unloaded	116 mm 4.567 in
Tensile Load, long term, maximum	1334 N 299.895 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	2.94 N-m 26.021 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	1345 m 4,412.73 ft
Optical Specifications	

Fiber Type

G.652.D and G.657.A1, TeraSPEED® | OS2

Environmental Specifications

Page 2 of 4

©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: June 6, 2024



760244108 | 0-006-LN-8W-F06NS/20T/HTS

Installation temperature	-30 °C to +70 °C (-22 °F to +158 °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 EN 187105
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	
Cable Freeze	-2 °C 28.4 °F
Cable Freeze Test Method	FOTP-98 IEC 60794-1 F15
Drip	70 °C 158 °F

Packaging and Weights

Temperature Cycle Test Method

Cable weight

Drip Test Method

Low High Bend

Temperature Cycle

Heat Age Test Method

Low High Bend Test Method

Heat Age

101 kg/km | 67.869 lb/kft

FOTP-3 | IEC 60794-1 F1

FOTP-81 | IEC 60794-1 E14

IEC 60794-1 F9

-40 °C to +85 °C (-40 °F to +185 °F)

-30 °C to +60 °C (-22 °F to +140 °F)

-40 °C to +70 °C (-40 °F to +158 °F)

FOTP-37 | IEC 60794-1 E11

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



Page 3 of 4

©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: June 6, 2024



760244108 | 0-006-LN-8W-F06NS/20T/HTS

Included Products

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

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

Page 4 of 4

©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: June 6, 2024

