

Fiber OSP cable, TeraSPEED® Single Jacket/Single Armor, Gel-Free, 8 fibers, Stranded Loose Tube, Singlemode G.652.D and G.657.A1, Feet jacket marking, Black jacket color

• Corrugated steel tape armor is strong yet flexible, providing additional crush and rodent protection

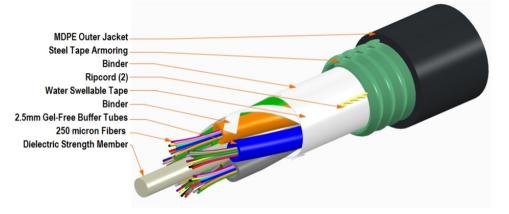
Product Classification

Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Portfolio	CommScope®
Product Type	Fiber OSP cable
Product Series	D-LA
General Specifications	
Armor Type	Corrugated steel
Cable Type	Stranded loose tube
Construction Type	Armored
Subunit Type	Gel-free
Filler, quantity	4
Jacket Color	Black
Jacket Marking	Feet
Subunit, quantity	1
Fibers per Subunit, quantity	8
Total Fiber Count	8
Dimensions	
Buffer Tube/Subunit Diameter	2.5 mm 0.098 in
Diameter Over Jacket	11.5 mm 0.453 in

Representative Image

Page 1 of 4





Material Specifications

Jacket Material	PE
Mechanical Specifications	
Minimum Bend Radius, loaded	173 mm 6.811 in
Minimum Bend Radius, unloaded	115 mm 4.528 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	740 m 2,427.822 ft
Ontical Specifications	

Optical Specifications

Fiber Type

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

Page 2 of 4



Environmental Specifications

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 Penentration	24 h
Water Penentration Test Method	FOTP-82 IEC 60794-1 F5

Environmental Test Specifications

Cable Freeze Test Method F0TP-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 -30 °C to +60 °C (-22 °F to +140 °F) Kow High Bend Test Method F0TP-37 IEC 60794-1 E11 Temperature Cycle -40 °C to +70 °C (-40 °F to +158 °F) Fomperature Cycle Test Method F0TP-31 IEC 60794-1 F1	Cable Freeze	-2 °C 28.4 °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)	Cable Freeze Test Method	FOTP-98 IEC 60794-1 F15
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)	Heat Age	-40 °C to +85 °C (-40 °F to +185 °F)
Low High Bend Test Method FOTP-37 I EC 60794-1 E11 Temperature Cycle -40 °C to +70 °C (-40 °F to +158 °F)	Heat Age Test Method	IEC 60794-1 F9
Temperature Cycle -40 °C to +70 °C (-40 °F to +158 °F)	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 Test MethodFOTP-3 IEC 60794-1 F1	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

110 kg/km | 73.917 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-LT

Page 3 of 4



- TeraSPEED® G652D/G657A1 Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

Page 4 of 4

