

Fiber indoor/outdoor cable, TeraSPEED®, Plenum Rated, 120 fiber, Singlemode G.652.D and G.657.A1, Gel-Free, Stranded Loose Tube with Aluminum Interlocking Armor containing a Plenum Rated Outer Jacket, Black jacket color, Feet cable marking

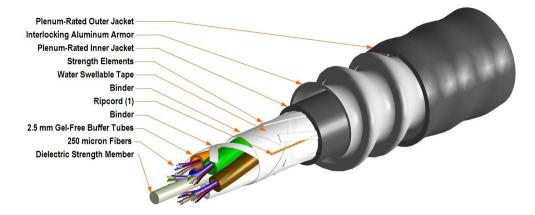
Product Classification

Regional Availability	Asia Australia/New Zealand Latin America Middle East /Africa North America
Portfolio	CommScope®
Product Type	Fiber indoor/outdoor cable
Product Series	P-LZ
General Specifications	
Armor Type	Interlocking aluminum
Cable Type	Stranded loose tube
Construction Type	Armored
Subunit Type	Gel-free
Jacket Color	Black
Jacket Marking	Feet
Subunit, quantity	10
Fibers per Subunit, quantity	12
Total Fiber Count	120
Dimensions	
Buffer Tube/Subunit Diameter	2.5 mm 0.098 in
Diameter Over Armor	19.7 mm 0.776 in
Diameter Over Jacket	21.7 mm 0.854 in

Representative Image

Page 1 of 4





Mechanical Specifications

Minimum Bend Radius, loaded	434 mm 17.087 in
Minimum Bend Radius, unloaded	304 mm 11.969 in
Tensile Load, long term, maximum	400 N 89.924 lbf
Tensile Load, short term, maximum	1335 N 300.12 lbf
Compression	85 N/mm 485.363 lb/in
Compression Test Method	FOTP-41 IEC 60794-1 E3
Flex	25 cycles
Flex Test Method	FOTP-104 IEC 60794-1 E6
Impact	35 N-m 309.776 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	97 m 318.241 ft
Optical Specifications	
Fiber Type	G.652.D and G.657.A1, TeraSPEED® OS2 OS2

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)

Page 2 of 4



Storage Temperature	-40 °C to +75 °C (-40 °F to +167 °F)
Cable Qualification Standards	ANSI/ICEA S-104-696 EN 187105 Telcordia GR-409
Environmental Space	Plenum
Flame Test Listing	NEC OFCP (ETL) and c(ETL)
Flame Test Method	NFPA 130 NFPA 262
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	-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

420 kg/km | 282.227 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

 TeraSPEED® G652D/G657A1 Singlemode Fiber

Page 3 of 4



* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

Page 4 of 4

