

Fiber indoor/outdoor cable, TeraSPEED®, Single Jacket All-Dielectric, Plenum Rated, 36 fiber, Singlemode G.652.D and G.657.A1, Gel-Free, Stranded Loose Tube, PVDF 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-LN	
General Specifications		
Cable Type	Stranded loose tube	
Construction Type	Non-armored	
Subunit Type	Gel-free	
Filler, quantity	2	
Jacket Color	Black	
Jacket Marking	Feet	
Subunit, quantity	3	
Fibers per Subunit, quantity	12	
Total Fiber Count	36	
Dimensions		
Buffer Tube/Subunit Diameter	2.5 mm   0.098 in	
Diameter Over Jacket	9.7 mm   0.382 in	

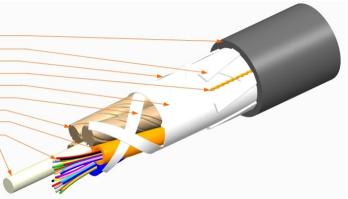
### Representative Image

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Plenum-Rated Outer Jacket Strength Elements Binder Ripcord (1) Water Swellable Tape Binder Paper Fillers 2.5 mm Gel-Free Buffer Tubes 250 micron Fibers Dielectric Strength Member



Plenum-Rated Outer Jacket Strength Elements Binder Water Swellable Tape Ripcord (1) Binder 2.5 mm Gel-Free Buffer Tubes 250 micron Fibers

Mechanical Specifications

Minimum Bend Radius, loaded	146 mm   5.748 in
Minimum Bend Radius, unloaded	97 mm   3.819 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	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

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**Twist Test Method** 

Vertical Rise, maximum

#### **Optical Specifications**

Fiber Type

FOTP-85 | IEC 60794-1 E7 880 m | 2,887.139 ft

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)	
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 OFNP (ETL) and c(ETL)	
Flame Test Method	NFPA 130   NFPA 262	
Jacket UV Resistance	UV stabilized	
Water Penentration	24 h	
Water Penentration 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

92 kg/km | 61.821 lb/kft

#### Regulatory Compliance/Certifications

#### Classification

ISO 9001:2015

Agency

Designed, manufactured and/or distributed under this quality management system

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#### Included Products

CS-8W-LT

 TeraSPEED® G652D/G657A1 Singlemode Fiber

\* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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