

Fiber indoor/outdoor cable, TeraSPEED®, Single Jacket All-Dielectric, Plenum Rated, Multimode/Singlemode, 24 fiber, 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

3

Jacket Color

Black

Jacket Marking

Feet

Subunit, quantity

2

Fibers per Subunit, quantity

12

Composite Fiber Count

12 + 12

Total Fiber Count

24

Dimensions

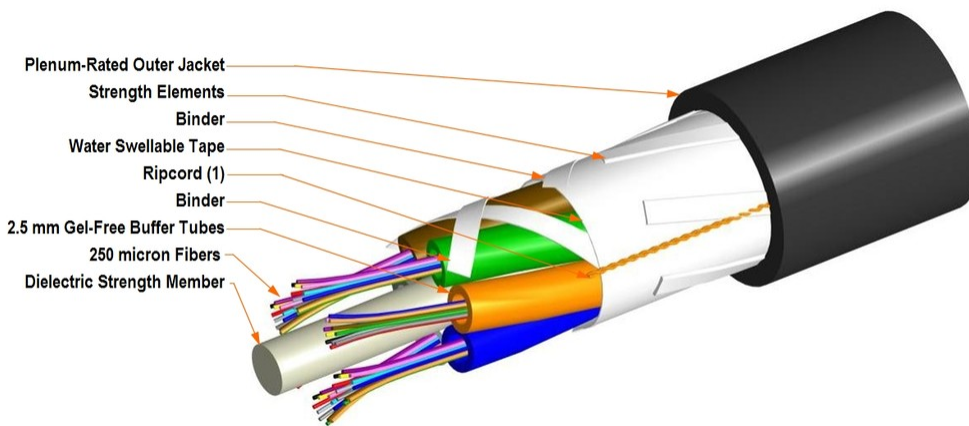
Buffer Tube/Subunit Diameter

2.5 mm | 0.098 in

Diameter Over Jacket

9.7 mm | 0.382 in

Representative Image



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

760231399 | P-024-LN-CM-F12BK/25D/8W012 /6F012

Twist Test Method FOTP-85 | IEC 60794-1 E7

Vertical Rise, maximum 880 m | 2,887.139 ft

Optical Specifications

Fiber Type Composite MM/SM | G.652.D and G.657.A1, TeraSPEED® | OM1, OptiSPEED® | 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 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 92 kg/km | 61.821 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-6F-LT - OptiSPEED® OM1 Multimode Fiber
- CS-8W-IOLT - TeraSPEED® OS2 Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable