

Fiber indoor/outdoor cable, TeraSPEED®, Single Jacket All-Dielectric, Plenum Rated, 144 fiber, Singlemode G.652.D and G.657.A1, Gel-Free, Stranded Loose Tube, PVDF jacket, Black jacket color, Feet cable marking

Product Classification

PortfolioCommScope@Product TypeFibe indoor/outdoor cableProduct SeriesP-NCable TypeStrandel outdoor cableConstruction TypeNon-armoredSubunit TypeGel-freeJacket ColorBiakaJacket MarkingFeetSubunit, quantity12
Product SeriesP-LNGeneral SpecificationsStrandeloose tubeCable TypeStrandeloose tubeConstruction TypeNon-armoredSubunit TypeGel-freeJacket ColorBlackJacket MarkingFeet
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Cable TypeStranded loose tubeConstruction TypeNon-armoredSubunit TypeGel-freeJacket ColorBlackJacket MarkingFeet
Construction TypeNon-armoredSubunit TypeGel-freeJacket ColorBlackJacket MarkingFeet
Subunit TypeGel-freeJacket ColorBlackJacket MarkingFeet
Jacket Color Black Jacket Marking Feet
Jacket Marking Feet
Subunit, quantity 12
Fibers per Subunit, quantity12
Total Fiber Count 144
Dimensions
Buffer Tube/Subunit Diameter2.5 mm 0.098 in
Diameter Over Jacket 15.3 mm 0.602 in

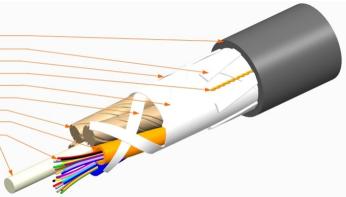
Representative Image

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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 Dielectric Strength Member

Mechanical Specifications

Minimum Bend Radius, loaded	230 mm 9.055 in
Minimum Bend Radius, unloaded	153 mm 6.024 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

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COMMSCOPE®

Twist Test Method

Vertical Rise, maximum

Optical Specifications

Fiber Type

FOTP-85 | IEC 60794-1 E7 327 m | 1,072.835 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 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 FOT	TP-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 FOT	TP-37 IEC 60794-1 E11
Temperature Cycle-40	°C to +70 °C (-40 °F to +158 °F)
Temperature Cycle Test Method FOT	TP-3 IEC 60794-1 F1

Packaging and Weights

Cable weight

250 kg/km | 167.992 lb/kft

Regulatory Compliance/Certifications

Classification

CHINA-ROHS

Agency

Below maximum concentration value

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

Compliant as per SVHC revision on www.commscope.com/ProductCompliance

ISO 9001:2015

REACH-SVHC

ROHS

UK-ROHS



Included Products

CS-8W-IOLT - TeraSPEED® OS2 Singlemode Fiber

Compliant

Compliant

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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