

TeraSPEED® Plenum Distribution Cable, 72 fiber multi-unit with 12 fiber subunits

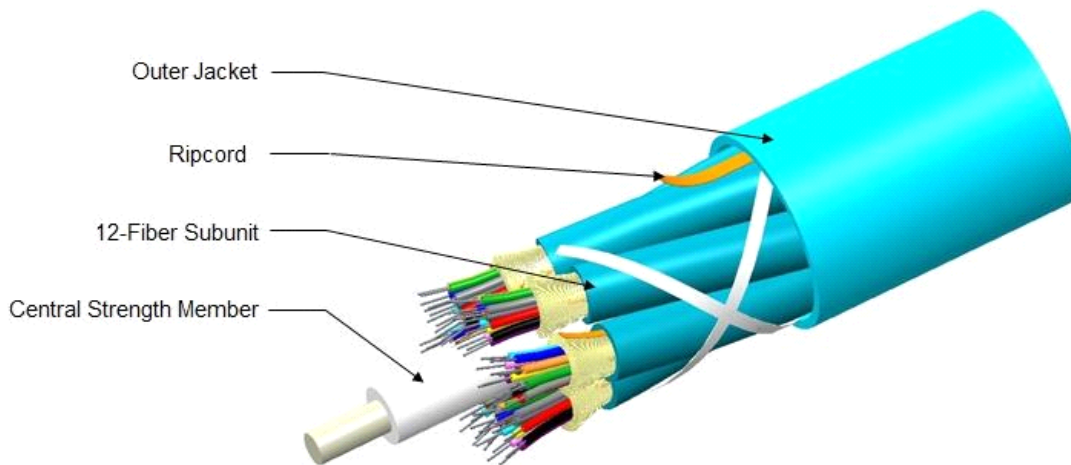
Product Classification

Portfolio	CommScope®
Product Type	Fiber indoor cable
Regional Availability	Asia Australia/New Zealand EMEA Latin America North America

Standards And Qualifications

Cable Qualification Standards	ANSI/ICEA S-83-596 Telcordia GR-409
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Representative Image



General Specifications

Cable Type	Distribution
Construction Type	Non-armored
Subunit Type	Gel-free

Construction Materials

Fiber Type Solution	Composite MM/SM G.652.D and G.657.A1 , TeraSPEED® OM4, LazrSPEED® 550
Total Fiber Count	72
Fiber Type	G.652.D and G.657.A1, TeraSPEED®

Fiber Type, quantity	36
Fibers per Subunit, quantity	12
Jacket Color	Aqua
Second Fiber Type	OM4, LazrSPEED® 550
Second Fiber Type, quantity	36

Dimensions

Buffer Tube/Subunit Diameter	5.77 mm 0.23 in
Cable Weight	237.0 lb/kft 353.0 kg/km
Diameter Over Jacket	18.96 mm 0.75 in
Subunit, quantity	6

Physical Specifications

Minimum Bend Radius, loaded	28.4 cm 11.2 in
Minimum Bend Radius, unloaded	19.0 cm 7.5 in
Tensile Load, long term, maximum	90 lbf 400 N
Tensile Load, short term, maximum	300 lbf 1335 N
Vertical Rise, maximum	386.0 m 1266.4 ft

Flame Test Specifications

Flame Test Listing	NEC OFNP (ETL) and c(ETL)
Flame Test Method	NFPA 262

Environmental Specifications

Environmental Space	Plenum
Installation Temperature	0 °C to +70 °C (+32 °F to +158 °F)
Operating Temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)

Mechanical Test Specifications

Compression	10 N/mm 57 lb/in
Compression Test Method	FOTP-41 IEC 60794-1 E3
Flex	100 cycles
Flex Test Method	FOTP-104 IEC 60794-1 E6
Impact	4.34 ft lb 5.88 N-m
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

Environmental Test Specifications

Heat Age -20 °C to +85 °C (-4 °F to +185 °F)
Heat Age Test Method IEC 60794-1 F9
Low High Bend -20 °C to +70 °C (-4 °F to +158 °F)
Low High Bend Test Method FOTP-37 | IEC 60794-1 E11
Temperature Cycle -20 °C to +70 °C (-4 °F to +158 °F)
Temperature Cycle Test Method FOTP-3 | IEC 60794-1 F1

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



Included Products

CS-5K-TB (Product Component—not orderable) — LazrSPEED® 550 OM4 Bend-Insensitive Multimode Fiber
CS-8W-TB (Product Component—not orderable) — TeraSPEED® Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable