



Fiber indoor cable, TeraSPEED® Riser/LSZH rated Distribution, interlocking aluminum armored, Multimode/Singlemode, 8 fiber single-unit, Gel-free, Feet jacket marking, Aqua jacket color, B2ca flame rating

## Product Classification

### Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America | North America

### Portfolio

CommScope®

### Product Type

Fiber indoor cable

### Product Series

N-DZ

## General Specifications

### Armor Type

Interlocking aluminum

### Cable Type

Distribution

### Construction Type

Armored

### Subunit Type

Gel-free

### Jacket Color

Aqua

### Jacket Marking

Feet

### Composite Fiber Count

4 + 4

### Total Fiber Count

8

## Dimensions

### Diameter Over Armor

10.8 mm | 0.425 in

### Diameter Over Jacket

12.8 mm | 0.504 in

## Representative Image



## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	192 mm   7.559 in
<b>Minimum Bend Radius, unloaded</b>	128 mm   5.039 in
<b>Tensile Load, long term, maximum</b>	200 N   44.962 lbf
<b>Tensile Load, short term, maximum</b>	667 N   149.948 lbf
<b>Compression</b>	85 N/mm   485.363 lb/in
<b>Compression Test Method</b>	FOTP-41   IEC 60794-1 E3
<b>Flex</b>	25 cycles
<b>Flex Test Method</b>	FOTP-104   IEC 60794-1 E6
<b>Impact</b>	35 N-m   309.776 in lb
<b>Impact Test Method</b>	FOTP-25   IEC 60794-1 E4
<b>Strain</b>	See long and short term tensile loads
<b>Strain Test Method</b>	FOTP-33   IEC 60794-1 E1
<b>Twist</b>	10 cycles
<b>Twist Test Method</b>	FOTP-85   IEC 60794-1 E7
<b>Vertical Rise, maximum</b>	142 m   465.879 ft

## Optical Specifications

<b>Fiber Type</b>	Composite MM/SM   G.652.D and G.657.A1, TeraSPEED®   OM3, LazrSPEED® 300
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## Environmental Specifications

<b>Installation temperature</b>	-10 °C to +60 °C (+14 °F to +140 °F)
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# 760125633 | N-008-DZ-CM-FSUAQ/8W004 /5L004/B2

<b>Operating Temperature</b>	-20 °C to +70 °C (-4 °F to +158 °F)
<b>Storage Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Cable Qualification Standards</b>	ANSI/ICEA S-83-596   Telcordia GR-409
<b>EN50575 CPR Cable EuroClass Fire Performance</b>	B2ca
<b>EN50575 CPR Cable EuroClass Smoke Rating</b>	s1a
<b>EN50575 CPR Cable EuroClass Droplets Rating</b>	d2
<b>EN50575 CPR Cable EuroClass Acidity Rating</b>	a1
<b>Environmental Space</b>	Low Smoke Zero Halogen (LSZH)   Riser
<b>Flame Test Listing</b>	NEC OFCR-ST1 (ETL) and c(ETL)
<b>Flame Test Method</b>	IEC 60332-3   IEC 60754-2   IEC 61034-2   UL 1666   UL 1685

## Environmental Test Specifications

<b>Heat Age</b>	-20 °C to +85 °C (-4 °F to +185 °F)
<b>Heat Age Test Method</b>	IEC 60794-1 F9
<b>Low High Bend</b>	-10 °C to +60 °C (+14 °F to +140 °F)
<b>Low High Bend Test Method</b>	FOTP-37   IEC 60794-1 E11
<b>Temperature Cycle</b>	-20 °C to +70 °C (-4 °F to +158 °F)
<b>Temperature Cycle Test Method</b>	FOTP-3   IEC 60794-1 F1

## Packaging and Weights

<b>Cable weight</b>	143 kg/km   96.092 lb/kft
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## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



## Included Products

- CS-5L-TB – LazrSPEED® 300 OM3 Bend-Insensitive Multimode Fiber
- CS-8W-TB – TeraSPEED® Singlemode Fiber

## \* Footnotes

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable

