# 760126466 | P-072-DZ-CM-FMUAQ/8W036 /5L036



Fiber indoor cable, TeraSPEED® Plenum Distribution, interlocking aluminum armored with plenum jacket, Multimode/Singlemode, 72 fiber multi-unit with 12 fiber subunits, gel-free, Feet jacket marking, Aqua jacket color

## Product Classification

| Regional Availability        | Asia   Australia/New Zealand   Latin America   Middle East<br>/Africa   North America |
|------------------------------|---|
| Portfolio                    | CommScope®  |
| Product Type                 | Fiber indoor cable  |
| Product Series               | P-DZ  |
| General Specifications       |   |
| Armor Type                   | Interlocking aluminum   |
| Cable Type                   | Distribution  |
| Construction Type            | Armored   |
| Subunit Type                 | Gel-free  |
| Jacket Color                 | Aqua  |
| Jacket Marking               | Feet  |
| Subunit, quantity            | 6   |
| Fibers per Subunit, quantity | 12  |
| Composite Fiber Count        | 36 + 36   |
| Total Fiber Count            | 72  |
| Dimensions                   |   |
| Buffer Tube/Subunit Diameter | 5.77 mm   0.227 in  |
| Diameter Over Armor          | 24.8 mm   0.976 in  |
| Diameter Over Jacket         | 26.8 mm   1.055 in  |
|                              |   |

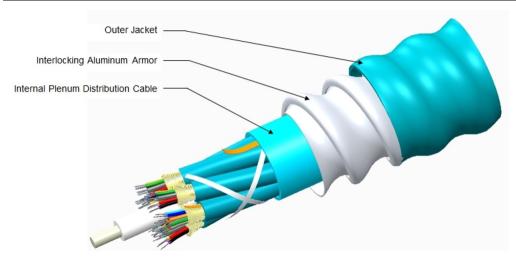
## Representative Image

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### Mechanical Specifications

| Minimum Bend Radius, loaded       | 402 mm   15.827 in  |
|-----------------------------------|---|
| Minimum Bend Radius, unloaded     | 268 mm   10.551 in  |
| Tensile Load, long term, maximum  | 400 N   89.924 lbf  |
| Tensile Load, short term, maximum | 1335 N   300.12 lbf                                       |
| Compression                       | 85 N/mm   485.363 lb/in                                   |
| Compression Test Method           | FOTP-41   IEC 60794-1 E3                                  |
| Flex                              | 25 cycles   |
| Flex Test Method                  | FOTP-104   IEC 60794-1 E6                                 |
| Impact                            | 35 N-m   309.776 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   |
| Twist Test Method                 | FOTP-85   IEC 60794-1 E7                                  |
| Vertical Rise, maximum            | 116 m   380.577 ft  |
| Optical Specifications            |   |
| Fiber Type                        | Composite MM/SM   G.652.D and G.657.A1, TeraSPEED®   OM3, |

LazrSPEED® 300

## Environmental Specifications

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**COMMSCOPE**°

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| 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)  |
| Cable Qualification Standards | ANSI/ICEA S-83-596   Telcordia GR-409 |
| Environmental Space           | Plenum                                |
| Flame Test Listing            | NEC OFCP (ETL) and c(ETL)             |
| Flame Test Method             | NFPA 130   NFPA 262                   |

#### **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             |

# Packaging and Weights

Cable weight

608 kg/km | 408.557 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 |
| ROHS          | Compliant  |
| UK-ROHS       | Compliant  |



#### 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

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