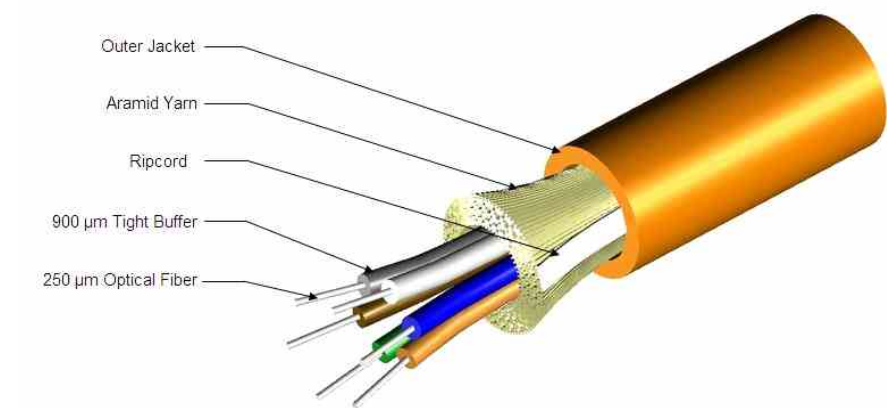


760018697 | P-024-DS-5K-FSUAQ  
Plenum Distribution Cable, 24 fiber single-unit

## Representative Image



## General Specifications

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

## Construction Materials

|                      |                                             |
|----------------------|---------------------------------------------|
| Fiber Type Solution  | LazrSPEED® 550, 50 µm multimode fiber (OM4) |
| Total Fiber Count    | 24                                          |
| Fiber Type           | LazrSPEED® 550, 50 µm multimode fiber (OM4) |
| Fiber Type, quantity | 24                                          |
| Jacket Color         | Aqua                                        |

## Dimensions

|                      |                          |
|----------------------|--------------------------|
| Cable Weight         | 47.0 lb/kft   70.0 kg/km |
| Diameter Over Jacket | 8.50 mm   0.33 in        |

## Physical Specifications

|                                   |                     |
|-----------------------------------|---------------------|
| Minimum Bend Radius, loaded       | 12.7 cm   5.0 in    |
| Minimum Bend Radius, unloaded     | 8.5 cm   3.3 in     |
| Tensile Load, long term, maximum  | 400 N   90 lbf      |
| Tensile Load, short term, maximum | 1335 N   300 lbf    |
| Vertical Rise, maximum            | 500.0 m   1640.4 ft |

760018697 | P024-DS-5K-FSUAQ

## 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             |

## Qualification Specifications

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

## Regulatory Compliance/Certifications

| Agency          | Classification                                                                 |
|-----------------|--------------------------------------------------------------------------------|
| RoHS 2011/65/EU | Compliant                                                                      |
| ISO 9001:2008   | 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

## \* **Footnotes**

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Operating Temperature Specification applicable to non-terminated bulk fiber cable