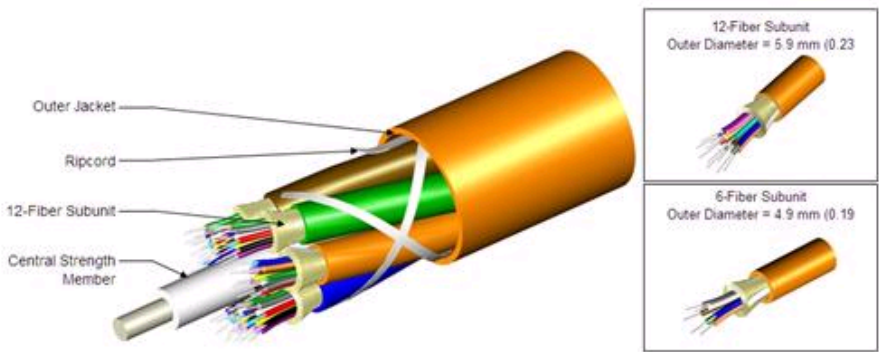


700009285 | P-024-DS-6F-FMUOR  
Plenum Distribution Cable, 24 fiber multi-unit with 6 fiber subunits

## Representative Image



## General Specifications

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

## Construction Materials

|                              |                                     |
|------------------------------|-------------------------------------|
| Fiber Type Solution          | OptiSPEED®, 62.5 µm multimode fiber |
| Total Fiber Quantity         | 24                                  |
| Fiber Type                   | OptiSPEED®, 62.5 µm multimode fiber |
| Fiber Type, quantity         | 24                                  |
| Fibers Per Subunit, quantity | 6                                   |
| Jacket Color                 | Orange                              |

## Dimensions

|                              |                           |
|------------------------------|---------------------------|
| Buffer Tube/Subunit Diameter | 4.80 mm   0.19 in         |
| Cable Weight                 | 83.0 lb/kft   123.0 kg/km |
| Diameter Over Jacket         | 12.30 mm   0.48 in        |
| Subunit, quantity            | 4                         |

## Physical Specifications

|                                  |                  |
|----------------------------------|------------------|
| Minimum Bend Radius, loaded      | 18.5 cm   7.3 in |
| Minimum Bend Radius, unloaded    | 12.3 cm   4.8 in |
| Tensile Load, long term, maximum | 180 lbf   801 N  |

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Tensile Load, short term, maximum 2670 N | 600 lbf  
Vertical Rise, maximum 500.0 m | 1640.4 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 60794-1-2, Section 7    |
| Flex                    | 100 cycles                            |
| Flex Test Method        | FOTP-104   IEC 60794-1-2, Section 10  |
| Impact                  | 4.34 ft lb   5.88 N-m                 |
| Impact Test Method      | FOTP-25   IEC 60794-1-2, Section 8    |
| Strain                  | See long and short term tensile loads |
| Strain Test Method      | FOTP-33   IEC 60794-1-2, Section 5    |
| Twist                   | 10 cycles                             |
| Twist Test Method       | FOTP-85   IEC 60794-1-2, Section 11   |

## Environmental Test Specifications

|                               |                                     |
|-------------------------------|-------------------------------------|
| Heat Age                      | -20 °C to +85 °C (-4 °F to +185 °F) |
| Heat Age Test Method          | Not applicable                      |
| Low High Bend                 | -20 °C to +70 °C (-4 °F to +158 °F) |
| Low High Bend Test Method     | FOTP-28   IEC 60794-1-2, Section 28 |
| Temperature Cycle             | -20 °C to +70 °C (-4 °F to +158 °F) |
| Temperature Cycle Test Method | FOTP-3   IEC 60794-1-2, Section 22  |

## Qualification Specifications

|                               |                                                         |
|-------------------------------|---------------------------------------------------------|
| Cable Qualification Standards | ANSI/ICEA S-83-596-2001   Telcordia GR-409-CORE Issue 2 |
|-------------------------------|---------------------------------------------------------|

## Regulatory Compliance/Certifications

| Agency          | Classification                                                                 |
|-----------------|--------------------------------------------------------------------------------|
| RoHS 2002/95/EC | Compliant                                                                      |
| ISO 9001:2008   | Designed, manufactured and/or distributed under this quality management system |



## Included Products

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CS-6F-TB (Product Component—not orderable) — OptiSPEED® OM1 Multimode Fiber