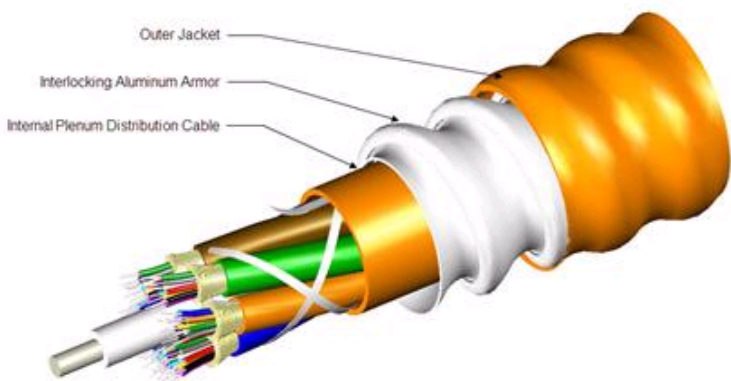


760127761 | P-012-DZ-6F-FSUOR

Plenum Distribution Cable, interlocking aluminum armored with plenum jacket, 12 fiber single-unit

## Representative Image



## General Specifications

|                   |              |
|-------------------|--------------|
| Cable Type        | Distribution |
| Construction Type | Armored      |
| Subunit Type      | Gel-free     |

## Construction Materials

|                      |                                     |
|----------------------|-------------------------------------|
| Fiber Type Solution  | OptiSPEED®, 62.5 µm multimode fiber |
| Total Fiber Quantity | 12                                  |
| Armor Type           | Interlocking aluminum               |
| Fiber Type           | OptiSPEED®, 62.5 µm multimode fiber |
| Fiber Type, quantity | 12                                  |
| Jacket Color         | Orange                              |

## Dimensions

|                      |                            |
|----------------------|----------------------------|
| Cable Weight         | 101.0 lb/kft   151.0 kg/km |
| Diameter Over Armor  | 10.80 mm   0.43 in         |
| Diameter Over Jacket | 12.80 mm   0.50 in         |

## Physical Specifications

|                                  |                   |
|----------------------------------|-------------------|
| Minimum Bend Radius, loaded      | 25.7 cm   10.1 in |
| Minimum Bend Radius, unloaded    | 18.0 cm   7.1 in  |
| Tensile Load, long term, maximum | 400 N   90 lbf    |

760127761 | P-012-DZ-6F-FSUOR

Tensile Load, short term, maximum 1335 N | 300 lbf  
Vertical Rise, maximum 271.0 m | 889.1 ft

## Flame Test Specifications

|                    |                           |
|--------------------|---------------------------|
| Flame Test Listing | NEC OFCP (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             | 485 lb/in   85 N/mm                   |
| Compression Test Method | FOTP-41   IEC 60794-1-2, Section 7    |
| Flex                    | 25 cycles                             |
| Flex Test Method        | FOTP-104   IEC 60794-1-2, Section 10  |
| Impact                  | 25.80 ft lb   35.00 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 |



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760127761 | P-012-DZ-6F-FSUOR

## Included Products

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