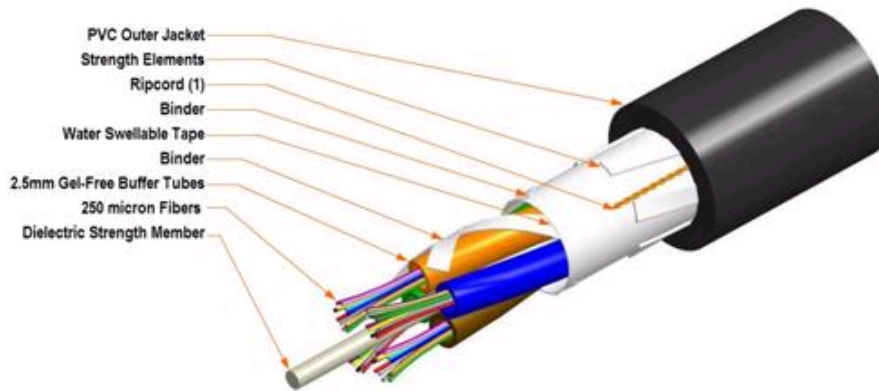




760112490 | R-024-LN-6F-
F12BK/25D/LTS

Light Duty Indoor/Outdoor All-Dielectric Single Jacket Riser Rated Stranded Loose Tube Gel-Free Cable

Representative Image



General Specifications

| | |
|-------------------|---------------------|
| Cable Type | Stranded loose tube |
| 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 | 12 |
| Jacket Color | Black |
| Jacket UV Resistance | UV stabilized |

Dimensions

| | |
|------------------------------|--------------------------|
| Buffer Tube/Subunit Diameter | 2.50 mm 0.10 in |
| Cable Weight | 94.0 kg/km 63.0 lb/kft |
| Diameter Over Jacket | 10.40 mm 0.41 in |
| Filler, quantity | 2 |
| Subunit, quantity | 2 |

Physical Specifications

760112490 | R-024-IN-6FF12BK/25D/LTS

| | | | |
|-----------------------------------|---------|--|-----------|
| Minimum Bend Radius, loaded | 15.7 cm | | 6.2 in |
| Minimum Bend Radius, unloaded | 10.4 cm | | 4.1 in |
| Tensile Load, long term, maximum | 90 lbf | | 400 N |
| Tensile Load, short term, maximum | 1335 N | | 300 lbf |
| Vertical Rise, maximum | 436.0 m | | 1430.4 ft |

Flame Test Specifications

| | |
|--------------------|---------------------------|
| Flame Test Listing | NEC OFNR (ETL) and c(ETL) |
| Flame Test Method | UL 1666 |

Environmental Specifications

| | |
|--------------------------|--------------------------------------|
| Environmental Space | Riser |
| Installation Temperature | -30 °C to +70 °C (-22 °F to +158 °F) |
| Operating Temperature | -40 °C to +70 °C (-40 °F to +158 °F) |
| Storage Temperature | -40 °C to +75 °C (-40 °F to +167 °F) |

Mechanical Test Specifications

| | | | |
|-------------------------------|---------------------------------------|--|---------------------------|
| Compression | 125 lb/in | | 22 N/mm |
| Compression Test Method | FOTP-41 | | IEC 60794-1-2, Section 7 |
| Flex | 35 cycles | | |
| Flex Test Method | FOTP-24 | | IEC 60794-1-2, Section 10 |
| Impact | 2.17 ft lb | | 2.94 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 |
| Water Penetration | 24 h | | |
| Water Penetration Test Method | FOTP-82 | | IEC 60794-1-2, Section 24 |

Environmental Test Specifications

| | | | |
|-------------------------------|------------------|---------------------|---------------------------|
| Cable Freeze | -2 °C | | 28 °F |
| Cable Freeze Test Method | FOTP-98 | | |
| Heat Age | -40 °C to +85 °C | (-40 °F to +185 °F) | |
| Heat Age Test Method | Not applicable | | |
| Low High Bend | -30 °C to +60 °C | (-22 °F to +140 °F) | |
| Low High Bend Test Method | FOTP-28 | | IEC 60794-1-2, Section 28 |
| Temperature Cycle | -40 °C to +70 °C | (-40 °F to +158 °F) | |
| Temperature Cycle Test Method | FOTP-3 | | IEC 60794-1-2, Section 22 |

Qualification Specifications

| | | | |
|-------------------------------|--------------------------|--|-----------|
| Cable Qualification Standards | ANSI/ICEA S-104-696-2001 | | EN 187105 |
|-------------------------------|--------------------------|--|-----------|

Regulatory Compliance/Certifications

| Agency | Classification |
|--------|----------------|
|--------|----------------|

Product Specifications

COMMSCOPE®

760112490 | R-024-IN-6FF12BK/25D/LTS

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



Included Products

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