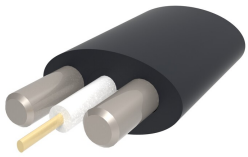
# 810010437/DB | O-001-DF-8G-F01NS/TB



## Self-Supporting All-Dielectric Outdoor Drop Cable

- *Product complies with the Build America, Buy America Act (BABAA) requirements of the Infrastructure Investment and Jobs Act of 2021 (Pub. L. 117- 58, §§ 70901-70953), or is the subject of a waiver approved by the Secretary of Commerce or designee. Compliance requirements and waiver applicability vary based on government funding program. Check the laws and regulations for your specific program.

## Product Classification

| | |
|---|---|
| **Regional Availability** | Asia \| Australia/New Zealand \| EMEA \| Latin America \| North America |
| **Portfolio** | CommScope® |
| **Product Type** | Fiber drop cable |
| **Product Series** | O-DF |
| **Government Requirements** | Build America Buy America (BABA) compliant* |

## General Specifications

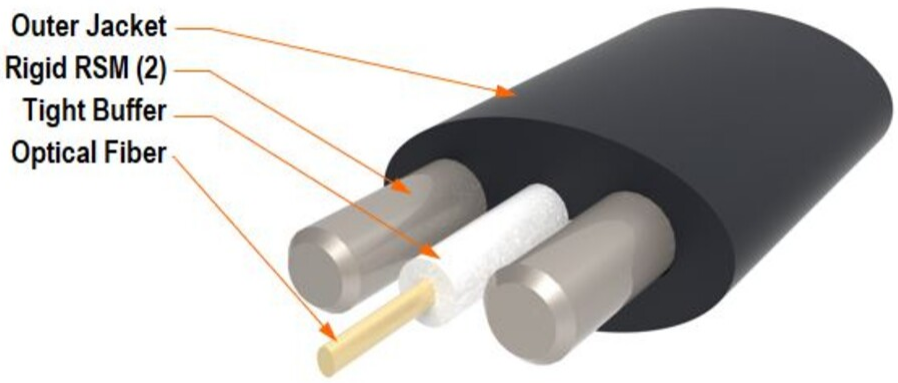
| | |
|---|---|
| **Cable Type** | Central loose tube |
| **Construction Type** | Non-armored |
| **Subunit Type** | Gel-free |
| **Jacket Color** | Black |
| **Jacket Marking** | Feet |
| **Location of Manufacturing** | Claremont, North Carolina |
| **Subunit, quantity** | 1 |
| **Fibers per Subunit, quantity** | 1 |
| **Total Fiber Count** | 1 |

## Dimensions

| | |
|---|---|
| **Height Over Jacket** | 2.8 mm \| 0.11 in |
| **Buffer Tube/Subunit Diameter** | 0.9 mm \| 0.035 in |
| **Diameter Over Jacket** | 5.6 mm \| 0.22 in |

## Representative Image

# 810010437/DB | O-001-DF-8G-F01NS/TB




## Material Specifications

| | |
|---|---|
| **Jacket Material** | PE |

## Mechanical Specifications

| | |
|---|---|
| **Minimum Bend Radius, loaded** | 60 mm \| 2.362 in |
| **Minimum Bend Radius, unloaded** | 60 mm \| 2.362 in |
| **Tensile Load, long term, maximum** | 400 N \| 89.924 lbf |
| **Tensile Load, short term, maximum** | 1350 N \| 303.492 lbf |
| **Compression** | 10 N/mm \| 57.101 lb/in |
| **Compression Test Method** | FOTP-41 \| IEC 60794-1 E3 |
| **Flex** | 35 cycles |
| **Flex Test Method** | FOTP-104 \| IEC 60794-1 E6 |
| **Impact** | 1.4 N-m \| 12.391 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 |

## Optical Specifications

| | |
|---|---|
| **Fiber Type** | G.657.A2/B2 \| G.657.A2/B2 |

## Environmental Specifications

| | |
|---|---|
| **Installation temperature** | -30 °C to +60 °C (-22 °F to +140 °F) |
| **Operating Temperature** | -40 °C to +70 °C (-40 °F to +158 °F) |
| **Storage Temperature** | -40 °C to +70 °C (-40 °F to +158 °F) |
| **Cable Qualification Standards** | ANSI/ICEA S-110-717 \| Telcordia GR-20 |
| **Environmental Space** | Aerial, self-support \| Buried |
| **Jacket UV Resistance** | UV stabilized |
| **Water Penetration** | 24 h |
| **Water Penetration Test Method** | FOTP-82 \| IEC 60794-1 F5 |

## Environmental Test Specifications

| | |
|---|---|
| **Cable Freeze** | -2 °C \| 28.4 °F |
| **Cable Freeze Test Method** | FOTP-98 \| IEC 60794-1 F15 |
| **Drip** | 70 °C \| 158 °F |
| **Drip Test Method** | FOTP-81 \| IEC 60794-1 E14 |
| **Heat Age** | -40 °C to +85 °C (-40 °F to +185 °F) |
| **Heat Age Test Method** | IEC 60794-1 F9 |
| **Low High Bend** | -30 °C to +60 °C (-22 °F to +140 °F) |
| **Low High Bend Test Method** | FOTP-37 \| IEC 60794-1 E11 |
| **Temperature Cycle** | -40 °C to +70 °C (-40 °F to +158 °F) |
| **Temperature Cycle Test Method** | FOTP-3 \| IEC 60794-1 F1 |

## Packaging and Weights

| | |
|---|---|
| **Cable weight** | 19 kg/km \| 12.767 lb/kft |

## * Footnotes

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable