

Universal Service Drop, tonable, with 900um buffer

- *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 | Hybrid cable, fiber and tone-wire |
| Government Funding | Build America Buy America (BABA) compliant* |

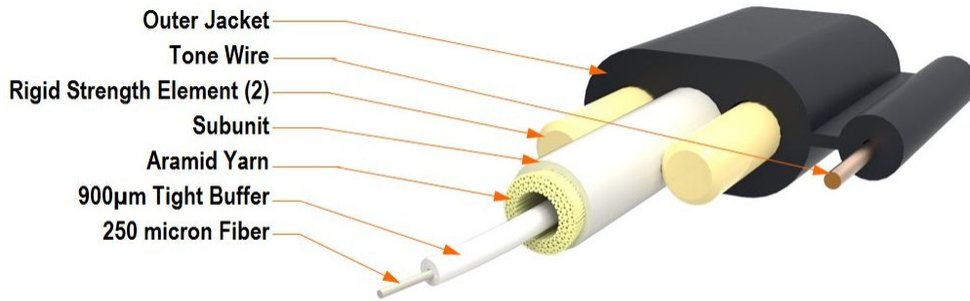
General Specifications

| | |
|-------------------------------------|--------------------------------|
| Cable Type | Drop |
| Construction Type | Non-armored |
| Fiber Short Description | O-002-DF-HY-F02NS/IC29/1X24AWG |
| Subunit Type | Gel-free |
| Jacket Color | Black |
| Location of Manufacturing | Catawba, North Carolina |
| Subunit, quantity | 1 |
| Fibers per Subunit, quantity | 1 |
| Tone Wire, quantity | 1 |
| Total Fiber Count | 1 |

Dimensions

| | |
|-------------------------------------|--------------------|
| Height Over Jacket | 4.572 mm 0.18 in |
| Buffer Tube/Subunit Diameter | 2.794 mm 0.11 in |
| Diameter Over Jacket | 9.906 mm 0.39 in |
| Tone Wire Gauge | 24 AWG |

Representative Image



Mechanical Specifications

| | |
|--|---------------------------------------|
| Minimum Bend Radius, loaded | 91.44 mm 3.6 in |
| Minimum Bend Radius, unloaded | 63.5 mm 2.5 in |
| Tensile Load, long term, maximum | 400.34 N 90 lbf |
| Tensile Load, short term, maximum | 1,334.466 N 300 lbf |
| Compression | 2.25 kg/mm 126 lb/in |
| Compression Test Method | FOTP-41 IEC 60794-1 E3 |
| Flex | 25 cycles |
| Flex Test Method | FOTP-104 IEC 60794-1 E6 |
| Impact | 2.17 ft lb 2.942 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 |
| Vertical Rise, maximum | 1,071.677 m 3516 ft |

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 +75 °C (-40 °F to +167 °F) |

| | |
|--------------------------------------|--------------------------|
| Cable Qualification Standards | ANSI/ICEA S-110-717 |
| Environmental Space | Aerial, lashed 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 | 38.097 kg/km 25.6 lb/kft |
|---------------------|----------------------------|

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| CHINA-ROHS | Below maximum concentration value |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS | Compliant |



Included Products

| | | |
|----------------------|---|--|
| R-001-SP-8G-F29IV/WB | – | Fiber indoor cable, All-Dielectric Indoor Riser Simplex, Singlemode G.657.A2/B2, Feet jacket marking, Ivory jacket color |
|----------------------|---|--|

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable