

Tunable Outdoor Drop Cable, 2 fiber, interconnect

Product Classification

| | |
|------------------------------|---|
| Regional Availability | Asia Australia/New Zealand EMEA Latin America North America |
| Portfolio | CommScope® |
| Product Type | Hybrid cable, fiber and tone-wire |

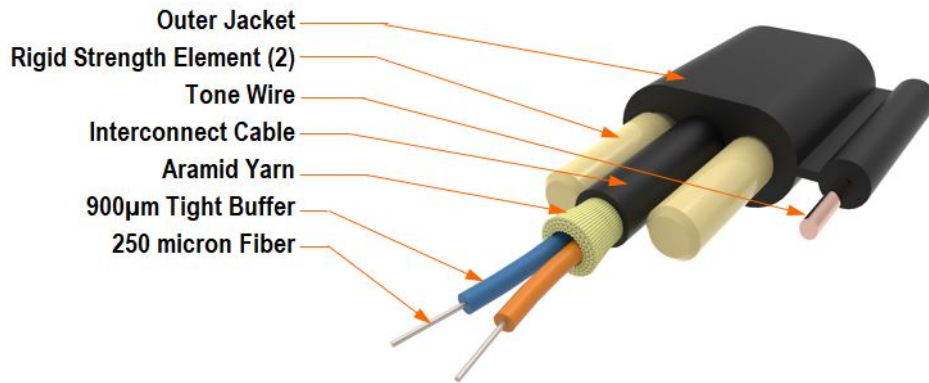
General Specifications

| | |
|-------------------------------------|--------------------------------|
| Cable Type | Drop |
| Construction Type | Non-armored |
| Fiber Short Description | O-002-DF-HY-F02NS/IC29/1X24AWG |
| Subunit Type | Gel-free |
| Jacket Color | Black |
| Subunit, quantity | 1 |
| Fibers per Subunit, quantity | 2 |
| Tone Wire, quantity | 1 |
| Total Fiber Count | 2 |

Dimensions

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|-------------------------------------|--------------------|
| 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) |

810009422/DB | O-002-DF-HY-F02NS/8G002 /1X24AWG/IC29

| | |
|--------------------------------------|--------------------------------------|
| 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 |
| Flame Test Method | FT4 |
| 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

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|---------------------|----------------------------|
| 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

810009422/DB | O-002-DF-HY-F02NS/8G002 /1X24AWG/IC29

R-002-IC-8G-N29BK

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Fiber indoor cable, TeraSPEED® Riser, 2 fiber, 2.9 mm Interconnect, Singlemode G.652.D and G.657.A1, Feet jacket marking, Black jacket color

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable