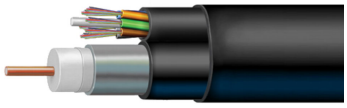
# E20500JCASS-24CT MICFIBR

## E2O® Coaxial/Fiber Hybrid Buried Cable



- E2O is a solution that enables service providers the ability to bridge HFC networks to FTTx. The E2O composite coaxial/fiber product line combines fiber, microducts, and coaxial cable under one jacket
- Serves businesses in a new commercial serving area
- Mitigates future cost of fiber installation
- Saves on initial installation due to “single sheath” vs. multiple sheaths
- Ideal for commercial data customers that also require video
- All products tested to industry standards

OBSOLETE

## Product Classification

| | |
|---|---|
| **Product Type** | Hybrid cable, coax and fiber |
| **Product Brand** | E2O® |

## General Specifications

| | |
|---|---|
| **Cable Series** | P3 500 |
| **Total Fiber Count** | 24 |

## Dimensions

| | |
|---|---|
| **Height** | 23.622 mm \| 0.93 in |
| **Width** | 16.002 mm \| 0.63 in |
| **Outer Jacket Thickness, nominal** | 0.762 mm \| 0.03 in |

## Material Specifications

| | |
|---|---|
| **Outer Jacket Material** | Medium density polyethylene (MDPE) |

## Mechanical Specifications

| | |
|---|---|
| **Minimum Bend Radius** | 88.9 mm \| 3.5 in |
| **Pulling Tension, maximum** | 33.112 kg \| 73 lb |

## Environmental Specifications

| | |
|---|---|
| **Environmental Space** | Buried |

# E20500JCASS-24CT MICFIBR

## Packaging and Weights

| | |
|---|---|
| **Weight, gross** | 278.287 kg/km \| 187 lb/kft |

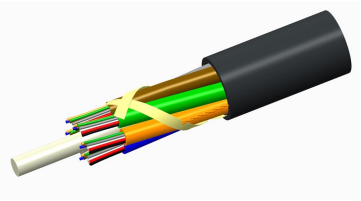
## Regulatory Compliance/Certifications

| Agency | Classification |
|---|---|
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |

## Included Products

| | | |
|---|---|---|
| 810008925/DB<br>B-024-LN-8W-F12NS/16G | – | LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable |

# 810008925/DB | B-024-LN-8W-F12NS/16G



LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction Cable

## Product Classification

| | |
|---|---|
| **Regional Availability** | Asia \| Australia/New Zealand \| EMEA \| Latin America \| North America |
| **Portfolio** | CommScope® |
| **Product Type** | Fiber OSP cable |
| **Product Series** | B-LN |

## General Specifications

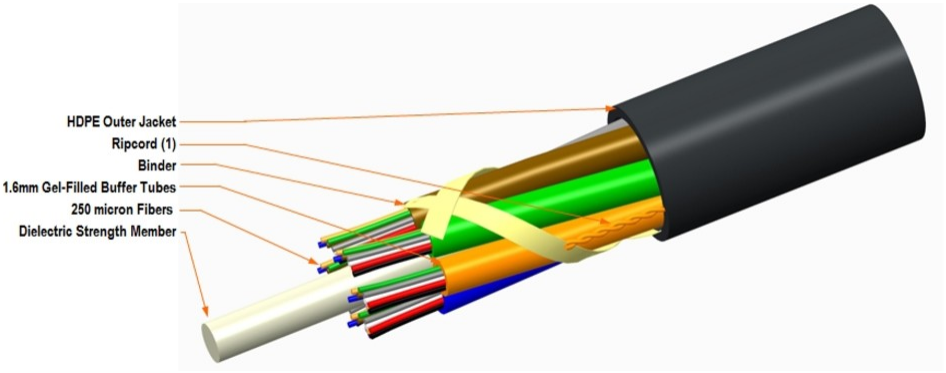
| | |
|---|---|
| **Cable Type** | Stranded loose tube |
| **Construction Type** | Non-armored |
| **Fiber Type, quantity** | 24 |
| **Fibers per Subunit, quantity** | 12 |
| **Filler, quantity** | 3 |
| **Jacket Color** | Black |
| **Jacket Marking** | Feet |
| **Subunit Type** | Gel-filled |
| **Subunit, quantity** | 2 |
| **Total Fiber Count** | 24 |

## Dimensions

| | |
|---|---|
| **Buffer Tube/Subunit Diameter** | 1.6 mm \| 0.063 in |
| **Diameter Over Jacket** | 5.5 mm \| 0.217 in |

## Representative Image

# 810008925/DB | B-024-LN-8W-F12NS/16G




## Material Specifications

| | |
|---|---|
| **Jacket Material** | High density polyethylene (HDPE) |

## Mechanical Specifications

| | |
|---|---|
| **Minimum Bend Radius, loaded** | 83 mm \| 3.268 in |
| **Minimum Bend Radius, unloaded** | 55 mm \| 2.165 in |
| **Tensile Load, long term, maximum** | 97 N \| 21.806 lbf |
| **Tensile Load, short term, maximum** | 324 N \| 72.838 lbf |
| **Compression** | 10 N/mm \| 57.101 lb/in |
| **Compression Test Method** | FOTP-41 \| IEC 60794-1 E3 |
| **Flex** | 25 cycles |
| **Flex Test Method** | FOTP-104 \| IEC 60794-1 E6 |
| **Impact** | 0.3 N-m \| 2.655 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 |
| **Vertical Rise, maximum** | 492 m \| 1,614.173 ft |

## Optical Specifications

| | |
|---|---|
| **Fiber Type** | G.652.D and G.657.A1 \| G.652.D and G.657.A1 |

## Environmental Specifications

| | |
|---|---|
| **Installation temperature** | -30 °C to +70 °C (-22 °F to +158 °F) |

| | |
|---|---|
| **Operating Temperature** | -30 °C to +70 °C (-22 °F to +158 °F) |
| **Storage Temperature** | -30 °C to +75 °C (-22 °F to +167 °F) |
| **Cable Qualification Standards** | IEC 60794-5-10 |
| **Environmental Space** | Air-blown, microduct |
| **Jacket UV Resistance** | UV stabilized |
| **Water Penentration** | 24 h |
| **Water Penentration 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** | -30 °C to +85 °C (-22 °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** | -30 °C to +70 °C (-22 °F to +158 °F) |
| **Temperature Cycle Test Method** | FOTP-3 \| IEC 60794-1 F1 |

## Packaging and Weights

| | |
|---|---|
| **Cable weight** | 20 kg/km \| 13.439 lb/kft |

## Regulatory Compliance/Certifications

| Agency | Classification |
|---|---|
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |

## * Footnotes

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