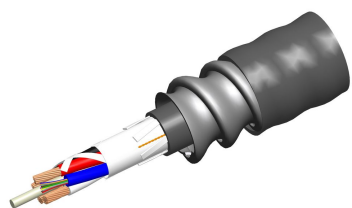


760170498 | P-012-LZ-HY-F12BK/25D/8W012 /4X14AWG



TeraSPEED® Single Jacket All-Dielectric Indoor/Outdoor Cable + Copper Conductor(s)

Product Classification

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

General Specifications

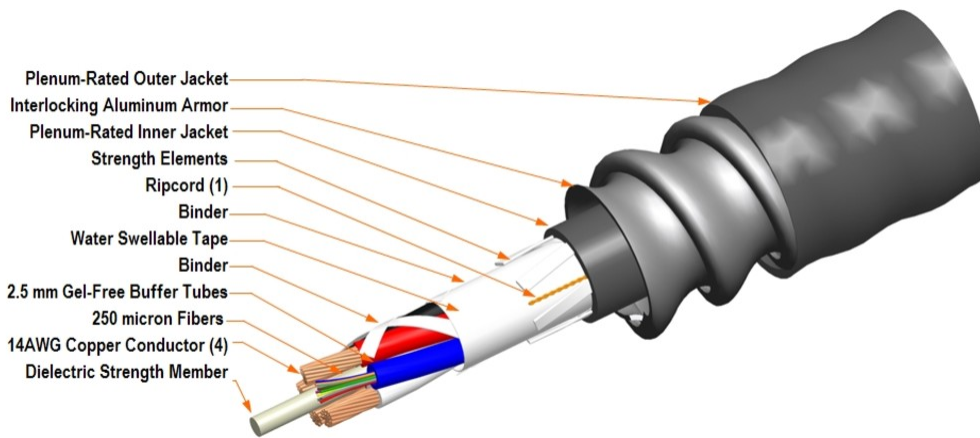
| | |
|-------------------------------------|-------------------------------------|
| Cable Type | Stranded loose tube |
| Conductors, quantity | 4 |
| Construction Type | Armored |
| Fiber Short Description | P-048-LZ-HY-F12BK/25D/XYXXX/NX14AWG |
| Fiber Type, quantity | 12 |
| Fibers per Subunit, quantity | 12 |
| Filler, quantity | 0 |
| Jacket Color | Black |
| Subunit Type | Gel-free |
| Subunit, quantity | 1 |
| Total Fiber Count | 12 |

Dimensions

| | |
|-------------------------------------|-------------------|
| Buffer Tube/Subunit Diameter | 2.54 mm 0.1 in |
| Diameter Over Jacket | 17.78 mm 0.7 in |
| Conductor Gauge | 14 AWG |

Representative Image

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Mechanical Specifications

| | |
|--|---------------------------------------|
| Minimum Bend Radius, loaded | 358.14 mm 14.1 in |
| Minimum Bend Radius, unloaded | 251.46 mm 9.9 in |
| Tensile Load, long term, maximum | 400.34 N 90 lbf |
| Tensile Load, short term, maximum | 1,334.466 N 300 lbf |
| Compression | 8.625 kg/mm 483 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 | 115.824 m 380 ft |

Optical Specifications

| | |
|-------------------|--|
| Fiber Type | G.652.D and G.657.A1, TeraSPEED® OS2 OS2 |
|-------------------|--|

Environmental Specifications

| | |
|---------------------------------|--------------------------------------|
| Installation temperature | -30 °C to +70 °C (-22 °F to +158 °F) |
| Operating Temperature | -40 °C to +70 °C (-40 °F to +158 °F) |

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| | |
|--------------------------------------|--|
| Storage Temperature | -40 °C to +75 °C (-40 °F to +167 °F) |
| Cable Qualification Standards | ANSI/ICEA S-104-696 EN 187105 Telcordia GR-409 |
| Environmental Space | Aerial, lashed Buried Plenum Wireless installation |
| Flame Test Listing | NEC CMP-OF (ETL) and c(ETL) |
| Flame Test Method | NFPA 262 |
| 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 |
| 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 | 352.695 kg/km 237 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

CS-8W-LT - TeraSPEED® G652D/G657A1 Singlemode
Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable