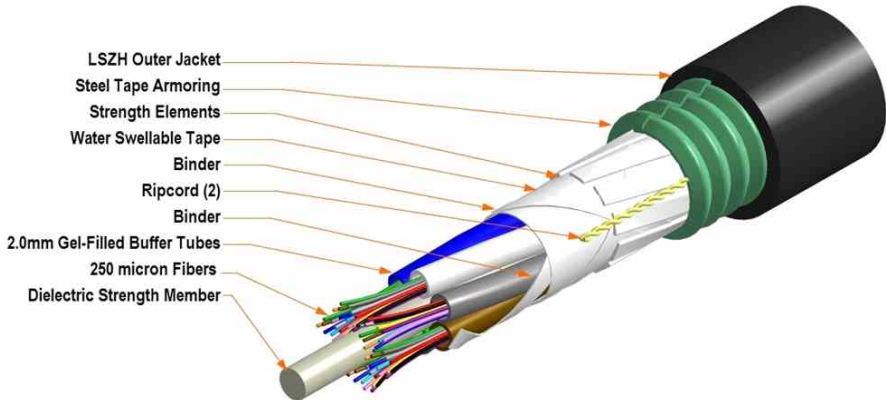


760122036 | Z-024-LA-8W-F12BK/20G

Indoor/Outdoor, Mini Single Jacket/Single Armor,Riser Rated, Low Smoke Zero Halogen (LSZH), Gel-Filled, Stranded Loose Tube Cable

- Corrugated steel tape armor is strong yet flexible, providing additional crush and rodent protection

Representative Image



General Specifications

| | |
|-------------------|---------------------|
| Cable Type | Stranded loose tube |
| Construction Type | Armored |
| Subunit Type | Gel-filled |

Construction Materials

| | |
|------------------------------|--|
| Fiber Type Solution | TeraSPEED®, zero water peak singlemode fiber (G.652.D, G.657.A1 OS2) |
| Total Fiber Count | 24 |
| Armor Type | Corrugated steel |
| Fiber Type | TeraSPEED®, zero water peak singlemode fiber (G.652.D, G.657.A1 OS2) |
| Fiber Type, quantity | 24 |
| Fibers per Subunit, quantity | 12 |
| Jacket Color | Black |
| Jacket UV Resistance | UV stabilized |

Dimensions

| | |
|------------------------------|----------------------------|
| Buffer Tube/Subunit Diameter | 2.00 mm 0.08 in |
| Cable Weight | 183.0 kg/km 123.0 lb/kft |
| Diameter Over Jacket | 12.30 mm 0.48 in |
| Filler, quantity | 4 |
| Subunit, quantity | 2 |

Physical Specifications

| | |
|-----------------------------|------------------|
| Minimum Bend Radius, loaded | 18.5 cm 7.3 in |
|-----------------------------|------------------|

760122036 | Z024LA-8WF12BK/20G

| | | | |
|-----------------------------------|---------|--|-----------|
| Minimum Bend Radius, unloaded | 12.3 cm | | 4.8 in |
| Tensile Load, long term, maximum | 180 lbf | | 800 N |
| Tensile Load, short term, maximum | 2700 N | | 607 lbf |
| Vertical Rise, maximum | 447.0 m | | 1466.5 ft |

Flame Test Specifications

| | | | | |
|--------------------|------------------------------|--|-------------|--|
| Flame Test Listing | NEC OFCR-LS (ETL) and c(ETL) | | | |
| Flame Test Method | IEC 60332-3 | | IEC 60754-2 | IEC 61034-2 IEEE 383 UL 1666 UL 1685 |

Environmental Specifications

| | | | | |
|--------------------------|---|--|--|--|
| Environmental Space | Aerial, lashed Buried Low Smoke Zero Halogen (LSZH) Riser | | | |
| 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) | | | |

Mechanical Test Specifications

| | | | |
|-------------------------------|---------------------------------------|--|----------------|
| Compression | 250 lb/in | | 44 N/mm |
| Compression Test Method | FOTP-41 | | IEC 60794-1 E3 |
| Flex | 35 cycles | | |
| Flex Test Method | FOTP-104 | | IEC 60794-1 E6 |
| Impact | 2.21 ft lb | | 3.00 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 |
| Water Penetration | 24 h | | |
| Water Penetration Test Method | FOTP-82 | | IEC 60794-1 F5 |

Environmental Test Specifications

| | | | |
|-------------------------------|--------------------------------------|--|-----------------|
| Cable Freeze | -2 °C | | 28 °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 |

Qualification Specifications

| | | | | | | | |
|-------------------------------|---------------------|--|-----------|--|-----------------|--|------------------|
| Cable Qualification Standards | ANSI/ICEA S-104-696 | | EN 187105 | | Telcordia GR-20 | | Telcordia GR-409 |
|-------------------------------|---------------------|--|-----------|--|-----------------|--|------------------|

Regulatory Compliance/Certifications

760122036 | Z-024LA-8WF12BK/20G

| Agency | Classification |
|-----------------|--|
| RoHS 2011/65/EU | Compliant |
| ISO 9001:2008 | Designed, manufactured and/or distributed under this quality management system |



Included Products

CS-8W-IOLT (Product Component—not orderable) — TeraSPEED® OS2 Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable