# 760150870 | R-024-LZ-CM-F12BK/25D/8W012 /6F012



Fiber indoor/outdoor cable, TeraSPEED® Riser Rated, Gel-Free, 24 fiber, Multimode/Singlemode, Stranded Loose Tube with Aluminum Interlocking Armor containing a Riser Rated Outer Jacket, Black jacket color, Feet cable marking

#### Product Classification

Regional Availability	Asia   Australia/New Zealand   Latin America   Middle East /Africa   North America
Portfolio	CommScope®
Product Type	Fiber indoor/outdoor cable
Product Series	R-LZ
General Specifications	
Armor Type	Interlocking aluminum
Cable Type	Stranded loose tube
Construction Type	Armored
Subunit Type	Gel-free
Filler, quantity	3
Jacket Color	Black
Jacket Marking	Feet
Subunit, quantity	2
Fibers per Subunit, quantity	12
Composite Fiber Count	12 + 12
Total Fiber Count	24
Dimensions	
Buffer Tube/Subunit Diameter	2.5 mm   0.098 in
Diameter Over Armor	18.4 mm   0.724 in
Diameter Over Jacket	20.5 mm   0.807 in

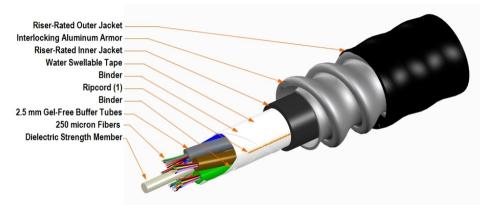
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### Representative Image



#### Mechanical Specifications

Minimum Bend Radius, loaded	409 mm   16.102 in
Minimum Bend Radius, unloaded	286 mm   11.26 in
Tensile Load, long term, maximum	400 N   89.924 lbf
Tensile Load, short term, maximum	1335 N   300.12 lbf
Compression	85 N/mm   485.363 lb/in
Compression Test Method	FOTP-41   IEC 60794-1 E3
Flex	25 cycles
Flex Test Method	FOTP-104   IEC 60794-1 E6
Impact	35 N-m   309.776 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	125 m   410.105 ft
Optical Specifications	
Fiber Type	Composite MM/SM   G 652 D and G 657 A1 TeraSPEED®   ON

Fiber Type

Composite MM/SM | G.652.D and G.657.A1, TeraSPEED® | OM1, OptiSPEED® | OS2 | OS2

### Environmental Specifications

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### 760150870 | R-024-LZ-CM-F12BK/25D/8W012

#### -10 °C to +60 °C (+14 °F to +140 °F) Installation temperature -40 °C to +70 °C (-40 °F to +158 °F) **Operating Temperature** -40 °C to +75 °C (-40 °F to +167 °F) Storage Temperature **Cable Qualification Standards** ANSI/ICEA S-104-696 | EN 187105 | Telcordia GR-409 **Environmental Space** Riser Flame Test Listing NEC OFCR (ETL) and c(ETL) Flame Test Method UL 1666 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
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

/6F012

320 kg/km | 215.03 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

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### 760150870 | R-024-LZ-CM-F12BK/25D/8W012 /6F012

CS-6F-LT – OptiSPEED® OM1 Multimode Fiber CS-8W-IOLT – TeraSPEED® OS2 Singlemode Fiber

#### \* Footnotes

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

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