

# R-096-DZ-8F-FMU

---

Fiber indoor cable, Riser Distribution, interlocking aluminum armored with riser jacket, 96 fiber multi-unit with 12 fiber subunits, Singlemode G.657.A1, Feet jacket marking

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   Latin America   Middle East /Africa   North America
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Fiber indoor cable
<b>Product Series</b>	R-DZ

## General Specifications

<b>Armor Type</b>	Interlocking aluminum
<b>Cable Type</b>	Distribution
<b>Construction Type</b>	Armored
<b>Fiber Type, quantity</b>	96
<b>Fibers per Subunit, quantity</b>	12
<b>Jacket Marking</b>	Feet
<b>Subunit Type</b>	Gel-free
<b>Subunit, quantity</b>	8
<b>Total Fiber Count</b>	96

## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	5.95 mm   0.234 in
<b>Diameter Over Armor</b>	29.85 mm   1.175 in
<b>Diameter Over Jacket</b>	31.9 mm   1.256 in

## Representative Image

# R-096-DZ-8F-FMU



## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	638 mm   25.118 in
<b>Minimum Bend Radius, unloaded</b>	446 mm   17.559 in
<b>Tensile Load, long term, maximum</b>	400 N   89.924 lbf
<b>Tensile Load, short term, maximum</b>	1335 N   300.12 lbf
<b>Compression</b>	85 N/mm   485.363 lb/in
<b>Compression Test Method</b>	FOTP-41   IEC 60794-1 E3
<b>Flex</b>	25 cycles
<b>Flex Test Method</b>	FOTP-104   IEC 60794-1 E6
<b>Impact</b>	35 N-m   309.776 in lb
<b>Impact Test Method</b>	FOTP-25   IEC 60794-1 E4
<b>Strain</b>	See long and short term tensile loads
<b>Strain Test Method</b>	FOTP-33   IEC 60794-1 E1
<b>Twist</b>	10 cycles
<b>Twist Test Method</b>	FOTP-85   IEC 60794-1 E7
<b>Vertical Rise, maximum</b>	52 m   170.604 ft

## Environmental Specifications

<b>Installation temperature</b>	-20 °C to +70 °C (-4 °F to +158 °F)
<b>Operating Temperature</b>	-20 °C to +70 °C (-4 °F to +158 °F)

# R-096-DZ-8F-FMU

---

<b>Storage Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Cable Qualification Standards</b>	ANSI/ICEA S-83-596   Telcordia GR-409
<b>Environmental Space</b>	Riser
<b>Flame Test Listing</b>	NEC OFCR (ETL) and c(ETL)
<b>Flame Test Method</b>	UL 1666

## Environmental Test Specifications

<b>Heat Age</b>	-20 °C to +85 °C (-4 °F to +185 °F)
<b>Heat Age Test Method</b>	IEC 60794-1 F9
<b>Low High Bend</b>	-20 °C to +70 °C (-4 °F to +158 °F)
<b>Low High Bend Test Method</b>	FOTP-37   IEC 60794-1 E11
<b>Temperature Cycle</b>	-20 °C to +70 °C (-4 °F to +158 °F)
<b>Temperature Cycle Test Method</b>	FOTP-3   IEC 60794-1 F1

## Packaging and Weights

<b>Cable weight</b>	786 kg/km   528.168 lb/kft
---------------------	----------------------------

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



## Included Products

CS-8F-TB	- Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber
----------	--

## \* Footnotes

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