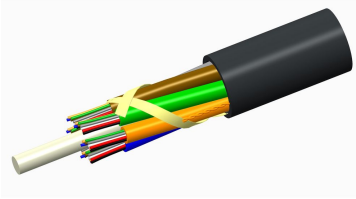


# 810009726/DB | B-216-LN-8F-M24NS/17T 200



Fiber OSP cable, Zero Water Peak® Blown Micro Single Jacket All-Dielectric Stranded Loose Tube, Singlemode G.657.A1, 216 fiber, Gel-filled, 200um Fiber Arid-Core® Construction, Meters jacket marking, Black jacket color

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Fiber OSP cable
<b>Product Series</b>	B-LN

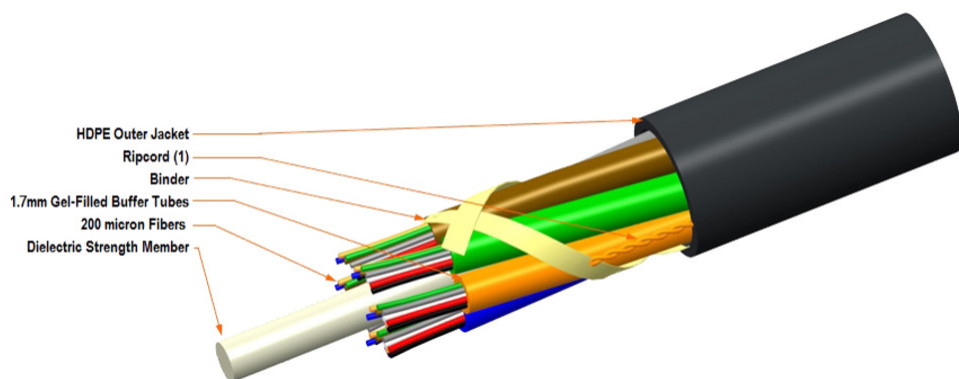
## General Specifications

<b>Cable Type</b>	Stranded loose tube
<b>Construction Type</b>	Non-armored
<b>Subunit Type</b>	Gel-filled
<b>Filler, quantity</b>	0
<b>Jacket Color</b>	Black
<b>Jacket Marking</b>	Meters
<b>Jacket Marking Method</b>	Laser
<b>Jacket Marking Text</b>	COMMSCOPE OPTICAL CABLE G657A1 SM 216F [SERIAL NUMBER] MM/YYYY [METERS] M
<b>Subunit, quantity</b>	9
<b>Fibers per Subunit, quantity</b>	24
<b>Total Fiber Count</b>	216

## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	1.7 mm   0.067 in
<b>Diameter Over Jacket</b>	7.8 mm   0.307 in

## Representative Image



## Material Specifications

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

## Mechanical Specifications

**Minimum Bend Radius, loaded** 117 mm | 4.606 in

**Minimum Bend Radius, unloaded** 78 mm | 3.071 in

**Tensile Load, long term, maximum** 335 N | 75.311 lbf

**Tensile Load, short term, maximum** 1000 N | 224.809 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** 769 m | 2,522.966 ft

## Optical Specifications

**Fiber Type** G.657.A1, TeraSPEED®

## Environmental Specifications

# 810009726/DB | B-216-LN-8F-M24NS/17T 200

<b>Installation temperature</b>	-30 °C to +70 °C (-22 °F to +158 °F)
<b>Operating Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Storage Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Cable Qualification Standards</b>	IEC 60794-5-10
<b>Environmental Space</b>	Air-blown, microduct
<b>Jacket UV Resistance</b>	UV stabilized
<b>Water Penetration</b>	24 h
<b>Water Penetration Test Method</b>	FOTP-82   IEC 60794-1 F5

## Environmental Test Specifications

<b>Cable Freeze</b>	-2 °C   28.4 °F
<b>Cable Freeze Test Method</b>	FOTP-98   IEC 60794-1 F15
<b>Drip</b>	70 °C   158 °F
<b>Drip Test Method</b>	FOTP-81   IEC 60794-1 E14
<b>Heat Age</b>	-40 °C to +85 °C (-40 °F to +185 °F)
<b>Heat Age Test Method</b>	IEC 60794-1 F9
<b>Low High Bend</b>	-30 °C to +60 °C (-22 °F to +140 °F)
<b>Low High Bend Test Method</b>	FOTP-37   IEC 60794-1 E11
<b>Temperature Cycle</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Temperature Cycle Test Method</b>	FOTP-3   IEC 60794-1 F1

## Packaging and Weights

<b>Cable weight</b>	52.9 kg/km   35.547 lb/kft
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## Included Products

CS-8F-200UM-LT	–	200 Micron Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber
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## \* Footnotes

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