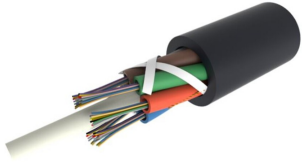


# 810010425/DB | B-144-LN-8W-M24BK/14G 200

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Fiber OSP cable, Zero Water Peak,<sup>®</sup> Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core™ Construction, 144 fiber, Singlemode G652.D and G.657.A1, Gel-filled, Meters jacket marking, Black jacket color

## Product Classification

<b>Regional Availability</b>	EMEA
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Fiber OSP cable
<b>Product Series</b>	B-LN

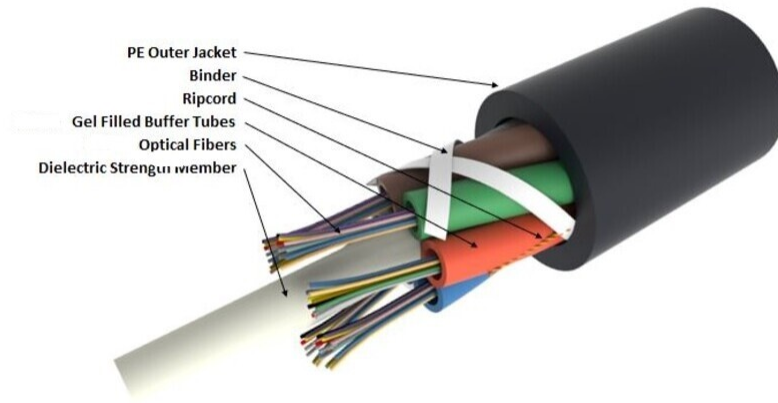
## General Specifications

<b>Cable Type</b>	Stranded loose tube
<b>Construction Type</b>	Non-armored
<b>Subunit Type</b>	Gel-filled
<b>Jacket Color</b>	Black
<b>Jacket Marking</b>	Meters
<b>Jacket Marking Method</b>	Laser
<b>Subunit, quantity</b>	6
<b>Fibers per Subunit, quantity</b>	24
<b>Total Fiber Count</b>	144

## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	1.4 mm   0.055 in
<b>Diameter Over Jacket</b>	5.1 mm   0.201 in

## Representative Image



## Material Specifications

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

## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	100 mm   3.937 in
<b>Minimum Bend Radius, unloaded</b>	70 mm   2.756 in
<b>Tensile Load, long term, maximum</b>	300 N   67.443 lbf
<b>Tensile Load, short term, maximum</b>	1000 N   224.809 lbf
<b>Cable Crush Resistance, maximum</b>	5 N/mm   28.551 lb/in
<b>Compression Test Method</b>	IEC 60794-1 E3
<b>Flex</b>	25 cycles
<b>Flex Test Method</b>	IEC 60794-1 E6
<b>Impact</b>	1 N-m   8.851 in lb
<b>Impact Test Method</b>	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>	IEC 60794-1 E7

## Optical Specifications

# 810010425/DB | B-144-LN-8W-M24BK/14G 200

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**Fiber Type** G.652.D and G.657.A1

## Environmental Specifications

**Installation temperature** -15 °C to +40 °C (+5 °F to +104 °F)  
**Operating Temperature** -30 °C to +70 °C (-22 °F to +158 °F)  
**Storage Temperature** -40 °C to +70 °C (-40 °F to +158 °F)  
**Cable Qualification Standards** IEC 60794-5-10  
**Environmental Space** Air-blown, microduct  
**Jacket UV Resistance** UV stabilized  
**Water Penetration** 24 h  
**Water Penetration Test Method** IEC 60794-1 F5

## Environmental Test Specifications

**Cable Freeze Test Method** IEC 60794-1 F15  
**Drip** 70 °C | 158 °F  
**Drip Test Method** IEC 60794-1 E14  
**Heat Age** -30 °C to +85 °C (-22 °F to +185 °F)  
**Heat Age Test Method** IEC 60794-1 F9  
**Temperature Cycle** -30 °C to +70 °C (-22 °F to +158 °F)  
**Temperature Cycle Test Method** IEC 60794-1 F1

## Packaging and Weights

**Cable weight** 27.7 kg/km | 18.614 lb/kft

## Included Products

CS-8W-200-EMEA – Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber

## \* Footnotes

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