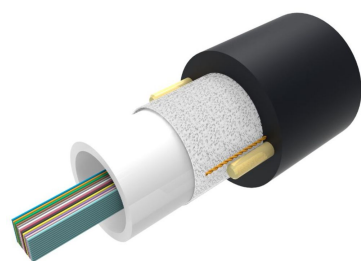


# 810009613/DB | O-216-CN-RB-F12NS/8Z/93B



Fiber OSP cable, Non-Armored, All-Dielectric, Gel-Filled Central Tube Ribbon, 216 fiber, Singlemode G.652.D and G.657.A1, Feet jacket marking, Black jacket color

OBSOLETE

## Product Classification

Regional Availability	Asia   Australia/New Zealand   EMEA   Latin America   North America
Portfolio	CommScope®
Product Type	Fiber OSP cable
Product Series	O-CN

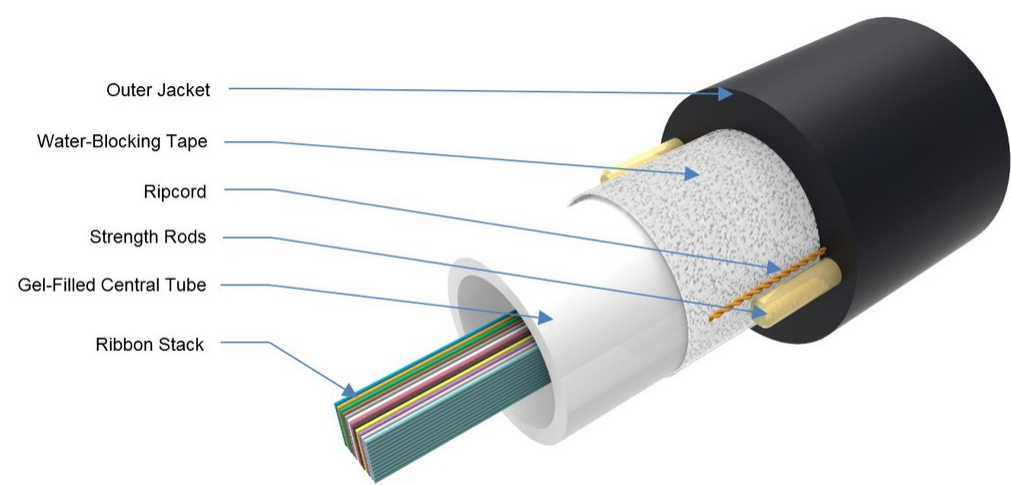
## General Specifications

Cable Type	Ribbon central tube
Construction Type	Non-armored
Subunit Type	Gel-filled
Fibers per Ribbon, quantity	12
Jacket Color	Black
Jacket Marking	Feet
Total Fiber Count	216

## Dimensions

Cable Length	9162 m   30,059.057 ft
Buffer Tube/Subunit Diameter	11 mm   0.433 in
Diameter Over Jacket	17.7 mm   0.697 in

## Representative Image



## Mechanical Specifications

Minimum Bend Radius, loaded	354 mm   13.937 in
Minimum Bend Radius, storage coils	266 mm   10.472 in
Minimum Bend Radius, unloaded	177 mm   6.969 in
Tensile Load, long term, maximum	800 N   179.847 lbf
Tensile Load, short term, maximum	2700 N   606.984 lbf
Compression	22 N/mm   125.623 lb/in
Compression Test Method	FOTP-41   IEC 60794-1 E3
Flex	25 cycles
Flex Test Method	FOTP-104   IEC 60794-1 E6
Impact	4.4 N-m   38.943 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

## Optical Specifications

Fiber Type	G.652.D and G.657.A1   G.652.D and G.657.A1
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## Environmental Specifications

Installation temperature	-30 °C to +60 °C (-22 °F to +140 °F)
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# 810009613/DB | O-216-CN-RB-F12NS/8Z/93B

Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	-40 °C to +75 °C (-40 °F to +167 °F)
Cable Qualification Standards	ANSI/ICEA S-87-640   Telcordia GR-20
Environmental Space	Aerial, lashed   Buried
Jacket UV Resistance	UV stabilized
Water Penetration	24 h
Water Penetration Test Method	FOTP-82   IEC 60794-1 F5

## Environmental Test Specifications

Drip	70 °C   158 °F
Drip Test Method	FOTP-81
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	247 kg/km   165.976 lb/kft
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## 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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



## Included Products

CS-8Z-RB-OUTDOOR – Low Water Peak Dispersion-Unshifted OS2 Singlemode Fiber
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## \* Footnotes

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