



Fiber indoor/outdoor cable, LightScope ZWP® Gel-filled loose tube, 12 fiber, Singlemode G.657.A1, Meters jacket marking, Black jacket color, Dca flame rating

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Fiber indoor/outdoor cable
<b>Product Series</b>	C-DN

## General Specifications

<b>Cable Type</b>	Central 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>	Inkjet
<b>Jacket Marking Text</b>	OPTICAL CABLE COMMSCOPE ADSS-NOTKtcdD 12J7A1 (1x12)OF 1,5kN {Serial Number} MM/YYYY 1234 M
<b>Subunit, quantity</b>	1
<b>Fibers per Subunit, quantity</b>	12
<b>Total Fiber Count</b>	12

## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	2 mm   0.079 in
<b>Diameter Over Jacket</b>	5.05 mm   0.199 in

## Representative Image



## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	25 mm   0.984 in
<b>Minimum Bend Radius, unloaded</b>	25 mm   0.984 in
<b>Tensile Load, long term, maximum</b>	400 N   89.924 lbf
<b>Tensile Load, short term, maximum</b>	1500 N   337.214 lbf
<b>Cable Crush Resistance, maximum</b>	15 N/mm   85.652 lb/in
<b>Compression</b>	15 N/mm   85.652 lb/in
<b>Compression Test Method</b>	IEC 60794-1-2 E3
<b>Impact</b>	3 N-m   26.552 in lb
<b>Impact Test Method</b>	IEC 60794-1 E4
<b>Twist</b>	5 cycles
<b>Twist Test Method</b>	IEC 60794-1 E7

## Optical Specifications

<b>Fiber Type</b>	G.657.A1
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## Optical Specifications, Wavelength Specific

<b>Attenuation, maximum</b>	0.35 dB/km @ 1,300 nm
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## Environmental Specifications

<b>Installation temperature</b>	-10 °C to +70 °C (+14 °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)

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<b>Cable Qualification Standards</b>	IEC 60794-1-2
<b>EN50575 CPR Cable EuroClass Fire Performance</b>	Dca
<b>EN50575 CPR Cable EuroClass Smoke Rating</b>	s1a
<b>EN50575 CPR Cable EuroClass Droplets Rating</b>	d0
<b>EN50575 CPR Cable EuroClass Acidity Rating</b>	a1
<b>Environmental Space</b>	Drop   Universal Low Smoke Zero Halogen (ULSZH)
<b>Flame Test Listing</b>	IEC 60332-1-2
<b>Flame Test Method</b>	EN 50399   IEC 60754-2   IEC 61034-2
<b>Water Penetration</b>	24 h

## Environmental Test Specifications

<b>Temperature Cycle</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Temperature Cycle Test Method</b>	IEC 60794-1-2 F1

## Packaging and Weights

<b>Cable weight</b>	34 kg/km   22.847 lb/kft
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## Included Products

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

## \* Footnotes

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