



Outside Plant Fiber Optic Cable, HDPE, 12-fiber, OS2, loose tube, gel-filled. Provides Rodent Resistance.

## Product Classification

<b>Regional Availability</b>	Australia/New Zealand   EMEA
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Fiber OSP cable
<b>Product Series</b>	O-CA

## General Specifications

<b>Armor Type</b>	Corrugated steel
<b>Cable Type</b>	Loose tube
<b>Subunit Type</b>	Gel-filled
<b>Filler, quantity</b>	1
<b>Jacket Color</b>	Black
<b>Jacket Marking</b>	Meters
<b>Jacket Marking Method</b>	Inkjet
<b>Jacket Marking Text</b>	COMMScope GB SYSTEM F.O. CABLE X-599683-4 CSA GEL LOOSE TUBE 12X9/125 OS2 HDPE (Serial NUMBER) (METRE MARK)
<b>Fibers per Subunit, quantity</b>	12
<b>Total Fiber Count</b>	12

## Dimensions

<b>Cable Length</b>	2000 m   6,561.68 ft
<b>Diameter Over Jacket</b>	10 mm   0.394 in

## Material Specifications

<b>Jacket Material</b>	High density polyethylene (HDPE)
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## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	200.7 mm   7.902 in
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# 2-599683-4 | O-012-CA-8W-M12BK/28G/GY/HD

<b>Minimum Bend Radius, unloaded</b>	160 mm   6.299 in
<b>Tensile Load, long term, maximum</b>	625 N   140.506 lbf
<b>Tensile Load, short term, maximum</b>	1200 N   269.771 lbf
<b>Flex</b>	25 cycles

## Optical Specifications

<b>Fiber Type</b>	OS2
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## Optical Specifications, Wavelength Specific

<b>Attenuation, maximum</b>	0.35 dB/km @ 1,300 nm   0.35 dB/km @ 1,550 nm   0.45 dB/km @ 1,310 nm
<b>Standards Compliance</b>	IEC 60794-1   TIA-492CAAB (OS2)

## Environmental Specifications

<b>Installation temperature</b>	-5 °C to +50 °C (+23 °F to +122 °F)
<b>Operating Temperature</b>	-20 °C to +70 °C (-4 °F to +158 °F)
<b>Storage Temperature</b>	-20 °C to +70 °C (-4 °F to +158 °F)

## Packaging and Weights

<b>Cable weight</b>	104 kg/km   69.885 lb/kft
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## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CHINA-ROHS	Below maximum concentration value
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-8W-250-EMEA - LightScope® ZWP Singlemode Fiber  
8W-250um

## \* Footnotes

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