



Fiber OSP cable, 24-fiber, HDPE, loose tube, gel-filled, Singlemode G.652. D and G.657.A1, Meters jacket marking, Red jacket color, 1000 m. 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>Construction Type</b>	Armored
<b>Subunit Type</b>	Gel-filled
<b>Filler, quantity</b>	1
<b>Jacket Color</b>	Red
<b>Jacket Marking</b>	Meters
<b>Jacket Marking Method</b>	Inkjet
<b>Jacket Marking Text</b>	COMMSCOPE GB SYSTEM F.O. CABLE 760252101 CSA GEL LOOSE TUBE 24X9/125 OS2 HDPE (Serial NUMBER) (METER MARK)
<b>Fibers per Subunit, quantity</b>	24
<b>Total Fiber Count</b>	24

## Dimensions

<b>Cable Length</b>	1000 m   3,280.84 ft
<b>Buffer Tube/Subunit Diameter</b>	4 mm   0.157 in
<b>Diameter Over Jacket</b>	10.5 mm   0.413 in

## Material Specifications

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

# 760252101 | O-024-CA-8W-M12RD/GY/HD

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<b>Minimum Bend Radius, loaded</b>	210 mm   8.268 in
<b>Minimum Bend Radius, unloaded</b>	160 mm   6.299 in
<b>Tensile Load, long term, maximum</b>	1250 N   281.011 lbf
<b>Compression</b>	3000 N/mm   17,130.441 lb/in
<b>Compression Test Method</b>	IEC 60794-1-2 E3
<b>Flex</b>	25 cycles
<b>Impact</b>	5 N-m   44.254 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>	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)
<b>Water Penetration</b>	24 h
<b>Water Penetration Test Method</b>	IEC 60794-1 F5

## Environmental Test Specifications

<b>Temperature Cycle</b>	-20 °C to +70 °C (-4 °F to +158 °F)
<b>Temperature Cycle Test Method</b>	IEC 60794-1-2 F1

## Packaging and Weights

<b>Cable weight</b>	151 kg/km   101.467 lb/kft
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## Included Products

DB-8W-LT – LightScope ZWP® Singlemode

760252101 | O-024-CA-8W-M12RD/GY/HD

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Fiber

\* Footnotes

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