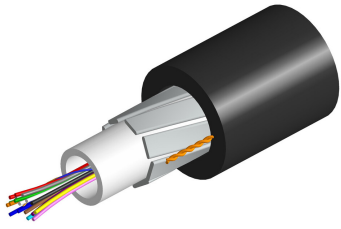


# 8-769509-4

---



Outdoor Fiber Optic Cable, 6-fiber, singlemode, OS2, MDPE, loose tube, gel-filled, cut length

## Product Classification

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

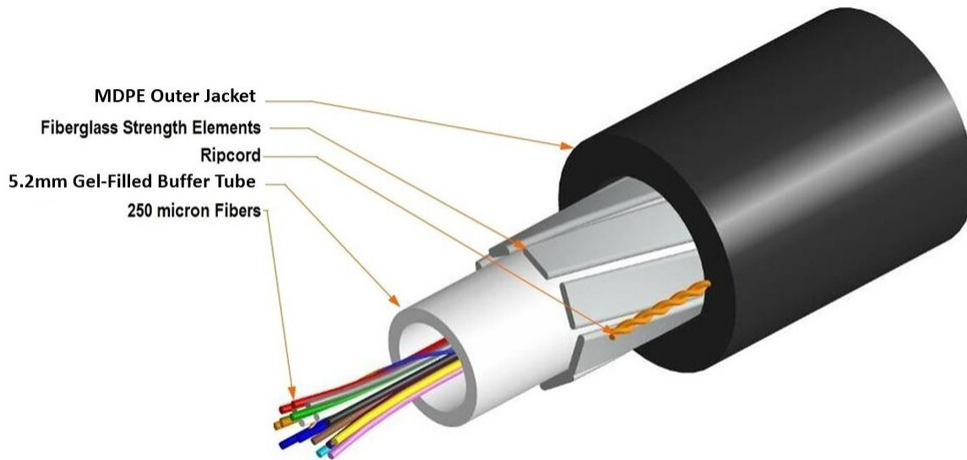
## General Specifications

<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>Fibers per Subunit, quantity</b>	6
<b>Total Fiber Count</b>	6

## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	5.2 mm   0.205 in
<b>Diameter Over Jacket</b>	8.5 mm   0.335 in

## Representative Image



## Material Specifications

**Jacket Material** MDPE

## Mechanical Specifications

**Minimum Bend Radius, loaded** 170 mm | 6.693 in  
**Minimum Bend Radius, unloaded** 85 mm | 3.346 in  
**Tensile Load, long term, maximum** 890 N | 200.08 lbf  
**Tensile Load, short term, maximum** 2700 N | 606.984 lbf  
**Compression** 22 N/mm | 125.623 lb/in  
**Compression Test Method** IEC 60794-1-2 E3  
**Flex** 25 cycles  
**Strain** See long and short term tensile loads  
**Strain Test Method** IEC 60794-1-2-E1

## Optical Specifications

**Fiber Type** G.652.D | OS2

## Optical Specifications, Wavelength Specific

**Attenuation, maximum** 0.40 dB/km @ 1,550 nm | 0.50 dB/km @ 1,310 nm

## Environmental Specifications

**Installation temperature** -30 °C to +60 °C (-22 °F to +140 °F)

# 8-769509-4

---

<b>Operating Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Storage Temperature</b>	-40 °C to +75 °C (-40 °F to +167 °F)
<b>Environmental Space</b>	Outdoor
<b>Water Penetration</b>	24 h
<b>Water Penetration Test Method</b>	IEC 60794-1 F5C

## Packaging and Weights

<b>Cable weight</b>	60 kg/km   40.318 lb/kft
---------------------	--------------------------

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CHINA-ROHS	Below maximum concentration value
ROHS	Compliant
UK-ROHS	Compliant



## \* Footnotes

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