



Single Jacket All-Dielectric, 2F Gel-Filled, Outdoor Central Tube cable.  
Provides Rodent Resistance.

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America
<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>	Orange
<b>Jacket Marking</b>	Meters
<b>Jacket Marking Method</b>	Inkjet
<b>Jacket Marking Text</b>	Reggefiber FttH Tel.nr. 088-0063700 2v DB GVK G657A1 Commscope (SERIAL NUMBER) (METRE MARK) M
<b>Subunit, quantity</b>	1
<b>Fibers per Subunit, quantity</b>	2
<b>Total Fiber Count</b>	2

## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	2.8 mm   0.11 in
<b>Diameter Over Jacket</b>	5 mm   0.197 in

## Material Specifications

<b>Jacket Material</b>	PE
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## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	120 mm   4.724 in
<b>Minimum Bend Radius, unloaded</b>	100 mm   3.937 in

<b>Tensile Load, long term, maximum</b>	300 N   67.443 lbf
<b>Tensile Load, short term, maximum</b>	1000 N   224.809 lbf
<b>Compression</b>	15 N/mm   85.652 lb/in
<b>Compression Test Method</b>	IEC 60794-1-2 E3
<b>Flex</b>	25 cycles
<b>Flex Test Method</b>	IEC 60794-1 E6
<b>Impact</b>	5 N-m   44.254 in lb
<b>Impact Test Method</b>	IEC 60794-1 E4
<b>Strain</b>	See long and short term tensile loads
<b>Strain Test Method</b>	IEC 60794-1-2-E1
<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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## Environmental Specifications

<b>Installation temperature</b>	-10 °C to +50 °C (+14 °F to +122 °F)
<b>Operating Temperature</b>	-20 °C to +60 °C (-4 °F to +140 °F)
<b>Storage Temperature</b>	-10 °C to +50 °C (+14 °F to +122 °F)
<b>Cable Qualification Standards</b>	ANSI/ICEA S-87-640   IEC 60794-1-2
<b>Environmental Space</b>	Buried
<b>Jacket UV Resistance</b>	UV stabilized
<b>Water Penetration</b>	336 h
<b>Water Penetration Test Method</b>	IEC 60794-1 F5

## 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 F1

## Packaging and Weights

<b>Cable weight</b>	23 kg/km   15.455 lb/kft
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## Included Products

CS-8F-250-EMEA – LightScope® ZWP Singlemode Fiber

## \* Footnotes

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