



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

Product Classification

Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Portfolio	CommScope®
Product Type	Fiber OSP cable
Product Series	O-CN

General Specifications

Cable Type	Central loose tube
Construction Type	Non-armored
Subunit Type	Gel-filled
Jacket Color	Orange
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Jacket Marking Text	Reggefiber FttH Tel.nr. 088-0063700 2v DB GVK G657A1 Commscope (SERIAL NUMBER) (METRE MARK) M
Subunit, quantity	1
Fibers per Subunit, quantity	2
Total Fiber Count	2

Dimensions

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

Material Specifications

Jacket Material	PE
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Mechanical Specifications

Minimum Bend Radius, loaded	120 mm 4.724 in
Minimum Bend Radius, unloaded	100 mm 3.937 in

810009930/DB | O-002-CN-8W-M020R/28G/GY /AY

Tensile Load, long term, maximum	300 N 67.443 lbf
Tensile Load, short term, maximum	1000 N 224.809 lbf
Compression	15 N/mm 85.652 lb/in
Compression Test Method	IEC 60794-1-2 E3
Flex	25 cycles
Flex Test Method	IEC 60794-1 E6
Impact	5 N-m 44.254 in lb
Impact Test Method	IEC 60794-1 E4
Strain	See long and short term tensile loads
Strain Test Method	IEC 60794-1-2-E1
Twist	5 cycles
Twist Test Method	IEC 60794-1 E7

Optical Specifications

Fiber Type	G.657.A1
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Environmental Specifications

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

Environmental Test Specifications

Temperature Cycle	-40 °C to +70 °C (-40 °F to +158 °F)
Temperature Cycle Test Method	IEC 60794-1 F1

Packaging and Weights

Cable weight	23 kg/km 15.455 lb/kft
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Included Products

CS-8W-250-EMEA - LightScope® ZWP Singlemode Fiber
8W-250um

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable