

Fiber OSP Cable, Non-Armored, All-Dielectric, 864 fiber, Gel-Filled Loose Tube Ribbon, Multimode OM4 bend insensitive, Feet jacket marking, Black jacket color

OBSOLETE

Product Classification

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

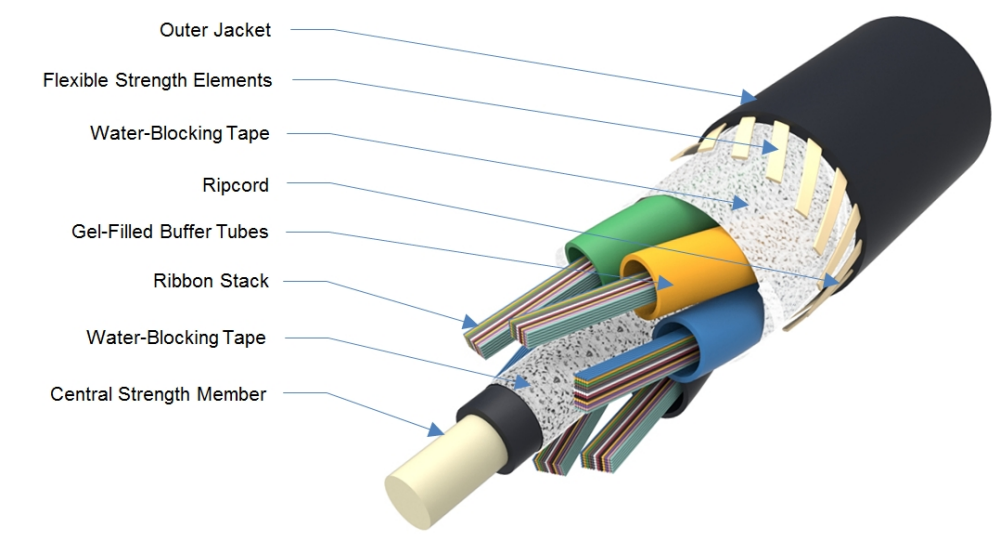
General Specifications

Cable Type	Ribbon loose tube
Construction Type	Non-armored
Subunit Type	Gel-filled
Fibers per Ribbon, quantity	12
Jacket Color	Black
Jacket Marking	Feet
Total Fiber Count	864

Dimensions

Buffer Tube/Subunit Diameter	7.2 mm 0.283 in
Diameter Over Jacket	25.1 mm 0.988 in

Representative Image



Mechanical Specifications

Minimum Bend Radius, loaded	375.9 mm 14.799 in
Minimum Bend Radius, unloaded	375.9 mm 14.799 in
Tensile Load, long term, maximum	1480 N 332.717 lbf
Tensile Load, short term, maximum	4500 N 1,011.64 lbf
Compression	22 N/mm 125.623 lb/in
Compression Test Method	FOTP-41 IEC 60794-1 E3
Flex	25 cycles
Flex Test Method	FOTP-104 IEC 60794-1 E6
Impact	4.4 N-m 38.943 in lb
Impact Test Method	FOTP-25 IEC 60794-1 E4
Strain	See long and short term tensile loads
Strain Test Method	FOTP-33 IEC 60794-1 E1
Twist	10 cycles
Twist Test Method	FOTP-85 IEC 60794-1 E7

Optical Specifications

Fiber Type	OM4, bend insensitive OM4, bend insensitive
------------	---

Environmental Specifications

Installation temperature	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	-40 °C to +75 °C (-40 °F to +167 °F)
Cable Qualification Standards	ANSI/ICEA S-87-640 RUS PE-90 (7CFR 1755.900)
Environmental Space	Aerial, lashed Buried
Jacket UV Resistance	UV stabilized
Water Penetration	24 h
Water Penetration Test Method	FOTP-82 IEC 60794-1 F5

Environmental Test Specifications

Drip	70 °C 158 °F
Drip Test Method	FOTP-81
Heat Age	-40 °C to +85 °C (-40 °F to +185 °F)
Heat Age Test Method	IEC 60794-1 F9
Low High Bend	-30 °C to +60 °C (-22 °F to +140 °F)
Low High Bend Test Method	FOTP-37 IEC 60794-1 E11
Temperature Cycle	-40 °C to +70 °C (-40 °F to +158 °F)
Temperature Cycle Test Method	FOTP-3 IEC 60794-1 F1

Packaging and Weights

Cable weight	459 kg/km 308.434 lb/kft
--------------	----------------------------

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



Included Products

CS-5X-RB	— 50µm OM4 Bend-Insensitive Multimode Fiber
----------	---

* Footnotes

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