

Outdoor Fiber Optic Cable, 8 fiber, OS2, LDPE, loose tube, gel-filled

Product Classification

Regional Availability	Asia EMEA
Portfolio	CommScope®
Product Type	Fiber OSP cable
Product Series	O-CN

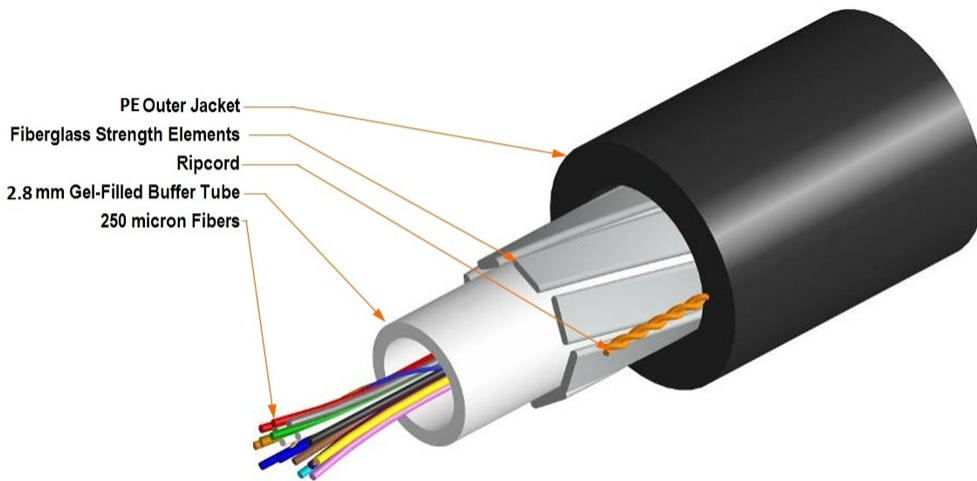
General Specifications

Cable Type	Central loose tube
Construction Type	Non-armored
Subunit Type	Gel-filled
Jacket Color	Black
Jacket Marking	Meters
Jacket Marking Method	Inkjet
Jacket Marking Text	COMMSCOPE GB OPTICAL CABLE 1593143-5 8X9/125 OS2 LLDPE (Serial NUMBER) (METRE MARK)
Fibers per Subunit, quantity	8
Total Fiber Count	8

Dimensions

Buffer Tube/Subunit Diameter	2.8 mm 0.11 in
Diameter Over Jacket	8.4 mm 0.331 in

Representative Image



Material Specifications

Jacket Material PE

Mechanical Specifications

Minimum Bend Radius, loaded 185 mm | 7.283 in
Minimum Bend Radius, unloaded 160 mm | 6.299 in
Tensile Load, long term, maximum 890 N | 200.08 lbf
Tensile Load, short term, maximum 2200 N | 494.58 lbf
Compression 20 N/mm | 114.203 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 OS2

Optical Specifications, Wavelength Specific

Attenuation, maximum 0.22 dB/km @ 1,550 nm | 0.34 dB/km @ 1,310 nm

Environmental Specifications

Installation temperature -5 °C to +50 °C (+23 °F to +122 °F)

1593143-5 | 0-008-CN-8W-M08NS/28G/GY

Operating Temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Storage Temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Environmental Space	Buried Ducted Outdoor
Jacket UV Resistance	UV stabilized
Water Penetration	24 h
Water Penetration Test Method	IEC 60794-1 F5

Packaging and Weights

Cable weight	64 kg/km 43.006 lb/kft
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Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant



* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable