## Indoor/Outdoor Fiber Optic Cable, 12-fiber, OFCP, ILJA, 50/125 $\mu m$ XG

# Product Classification

Bandwidth, OFL, minimum

PortfolioCommScope@Product TypeFiber indoor/outdoor cableProduct SeriesC-DSGeneral SpecificationsInterlocking aluminumCable TypeInterlocking aluminumCable TypeGel-freeJacket ColorBlackJacket ColorBlackJacket Marking12Total Fiber Soubunit quantity12Total Fiber Court12Dimensions14.2 mm   0.559 inMinimum Bend Radius, Jacaded98.1 mm   7.799 inMinimum Bend Radius, unloaded198.1 mm   7.799 inTensile Load, short term, maximum34.3 N   299.895 lbfOptical Specifications:Istan   7.799 inFiber TypeOM3Coptical Specifications:Signer Subunit JacadedPitter TypeImm   0.590 mm   0.500 mm	Regional Availability	Asia   Latin America   North America
Product SeriesC-DSGeneral SpecificationsInterlocking aluminumArmor TypeInterlocking aluminumCable TypeLoose tubeSubunit TypeGel-freeJacket ColorBlackJacket ColorDiackJacket MarkingMetersFibers per Subunit, quantity12Total Fiber Court12Dimensions14.2 mm   0.559 inDiameter Over Jacket14.2 mm   0.559 inMinimum Bend Radius, loaded324 mm   12.756 inMinimum Bend Radius, unloaded198.1 mm   7.799 inTensile Load, short term, maximum400 N   89.924 lbfTensile Load, short term, maximum1334 N   299.895 lbfFiber TypeOM3Optical Specifications, WartSpecificationsFiber Type0M3	Portfolio	CommScope®
General SpecificationsArmor TypeInterlocking aluminumCable TypeLoose tubeSubunit TypeGel-freeJacket ColorBlackJacket MarkingMetersFibers per Subunit, quantity12Total Fiber Count12Dimensions12Jameter Over Jacket14.2 mm   0.559 inMinimum Bend Radius, loaded98.1 mm   7.799 inTensile Load, long term, maximum98.1 mm   7.799 inHonige Load, short term, maximum134 N   299.895 lbfFiber TypeOM3Coptical Specifications, Wave-startFiber TypeSou m @ 850 nm	Product Type	Fiber indoor/outdoor cable
Armor TypeInterlocking aluminumCable TypeLoose tubeSubunit TypeGel-freeJacket ColorBlackJacket MarkingMetersFibers per Subunit, quantity12Total Fiber Count12DimensionsJacher Jung 10,559 inMethanical SpecificationsNational 12,756 inMinimum Bend Radius, loadedNational 1,7799 inTensile Load, long term, maximum400 N   89.924 lbfTotal SpecificationsSid N   299.895 lbfFiber TypeOM3Optical Specifications, Ware SpecificFiber Type0M3	Product Series	C-DS
Cable TypeLoose tubeSubunit TypeGel-freeJacket ColorBlackJacket ColorDacketJacket MarkingMetersFibers per Subunit quantity12Total Fiber Count12DimensionSJacher Poer JacketMethanical SpecificationSMethanical SpecificationSMinimum Bend Radius, loaded198.1 mm   0.559 inMinimum Bend Radius, unloaded198.1 mm   7.799 inTensile Load, long term, maximum400 N   89.924 lbfTensile Load, short term, maximum1334 N   299.895 lbfOptical SpecificationSFiber TypeGottical SpecificationS, Wac-SpecificationSFiber Type0M3Optical SpecificationS, Wac-SpecificationSTotal SpecificationS, Wac-SpecificationSJu Gobps Ethernet DistanceSou m @ 850 nm	General Specifications	
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Jacket MarkingMetersFibers per Subunit, quantity12Total Fiber Count12Dimensions12Diameter Over Jacket14.2 mm   0.559 inMechanical Specifications324 mm   12.756 inMinimum Bend Radius, loaded324 mm   7.799 inTensile Load, long term, maximum400 N   89.924 lbfTensile Load, short term, maximum1334 N   299.895 lbfOptical Specifications	Subunit Type	Gel-free
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Total Fiber Count12Dimensions14.2 mm   0.559 inDiameter Over Jacket14.2 mm   0.559 inMechanical Specifications324 mm   12.756 inMinimum Bend Radius, loaded324 mm   7.799 inTensile Load, long term, maximum400 N   89.924 lbfTensile Load, short term, maximum1334 N   299.895 lbfOptical SpecificationsOM3Fiber Type0M3Optical Specifications, Wave-specific10 Gbps Ethernet Distance300 m @ 850 nm	Jacket Marking	Meters
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Optical SpecificationsFiber TypeOM3Optical Specifications, Wavelength Specific10 Gbps Ethernet Distance300 m @ 850 nm	Tensile Load, long term, maximum	400 N   89.924 lbf
Fiber TypeOM3Optical Specifications, Wavelength Specific10 Gbps Ethernet Distance300 m @ 850 nm	Tensile Load, short term, maximum	1334 N   299.895 lbf
Optical Specifications, Wavelength Specific 10 Gbps Ethernet Distance 300 m @ 850 nm	Optical Specifications	
10 Gbps Ethernet Distance300 m @ 850 nm	Fiber Type	OM3
	Optical Specifications, Wavelength Specific	
Attenuation, maximum         1.00 dB/km @ 1,300 nm   3.20 dB/km @ 850 nm	10 Gbps Ethernet Distance	300 m @ 850 nm
	Attenuation, maximum	1.00 dB/km @ 1,300 nm   3.20 dB/km @ 850 nm
Bandwidth, Laser, minimum2,000 MHz-km @ 850 nm	Bandwidth, Laser, minimum	2,000 MHz-km @ 850 nm

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1,500 MHz-km @ 850 nm | 500 MHz-km @ 1,300 nm



# 1777210-3

**Standards Compliance** 

ANSI/TIA-568.B.1 | ANSI/TIA-568.B.2 | IEC 60793-2-10 | TIA-492AAAC (OM3)

#### **Environmental Specifications**

Installation temperature	0 °C to +60 °C (+32 °F to +140 °F)
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Environmental Space	Plenum

#### Packaging and Weights

Cable weight

225 kg/km | 151.193 lb/kft

# Regulatory Compliance/Certifications

AgencyClassificationCHINA-ROHSBelow maximum concentration valueREACH-SVHCCompliant as per SVHC revision on www.commscope.com/ProductComplianceROHSCompliantUK-ROHSCompliant



## \* Footnotes

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

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