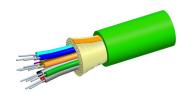
760253576 | P-024-DS-5C-MSULM/093



Fiber indoor cable, Plenum Distribution, 24 fiber single-unit, Multimode OM5, Meters jacket marking, Lime green jacket color

Product Classification

Regional Availability

Asia | Australia/New Zealand

Portfolio CommScope®

Product Type Fiber indoor cable

Product Series P-DS

General Specifications

Cable TypeDistributionConstruction TypeNon-armored

Subunit Type Gel-free

Jacket Color Lime green

Jacket Marking Meters

Total Fiber Count 24

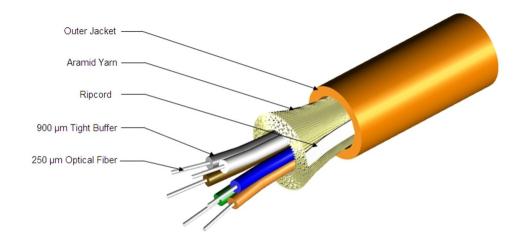
Dimensions

Diameter Over Jacket 8.8 mm | 0.346 in

Representative Image



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Mechanical Specifications

Minimum Bend Radius, loaded176 mm | 6.929 inMinimum Bend Radius, unloaded88 mm | 3.465 inTensile Load, long term, maximum369 N | 82.955 lbfTensile Load, short term, maximum1320 N | 296.748 lbfCompression10 N/mm | 57.101 lb/in

Compression Test Method IEC 60794-1-21 E3

Strain See long and short term tensile loads

Strain Test Method IEC 60794-1-21 E1

Optical Specifications

Fiber Type OM5

Optical Specifications, Wavelength Specific

Attenuation, maximum 1.00 dB/km @ 1,300 nm | 3.00 dB/km @ 850 nm

Environmental Specifications

Installation temperature $0 \, ^{\circ}\text{C} \, \text{to} +60 \, ^{\circ}\text{C} \, (-32 \, ^{\circ}\text{F} \, \text{to} +140 \, ^{\circ}\text{F})$ Operating Temperature $0 \, ^{\circ}\text{C} \, \text{to} +70 \, ^{\circ}\text{C} \, (+32 \, ^{\circ}\text{F} \, \text{to} +158 \, ^{\circ}\text{F})$ Storage Temperature $-40 \, ^{\circ}\text{C} \, \text{to} +70 \, ^{\circ}\text{C} \, (-40 \, ^{\circ}\text{F} \, \text{to} +158 \, ^{\circ}\text{F})$

Environmental Space Plenum

Flame Test Listing NEC OFNP (UL) and c(UL)

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Flame Test Method

NFPA 262

Environmental Test Specifications

Temperature Cycle Test Method

IEC 60794-1-22 F1

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



Included Products

CS-5C-TB-3.0/1.0/093 - OM5 WideBand Multimode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable



CS-5C-TB-3.0/1.0/093

OM5 WideBand Multimode Fiber

Product Classification

PortfolioCommScope®Product TypeOptical fiber

General Specifications

Cladding Diameter 125 µm **Cladding Diameter Tolerance** ±1.0 µm Cladding Non-Circularity, maximum 0.7 % **Coating Diameter (Colored)** 250 um **Coating Diameter (Uncolored)** 242 µm **Coating Diameter Tolerance (Colored)** ±7 µm **Coating Diameter Tolerance (Uncolored)** ±10 μm Coating/Cladding Concentricity Error, maximum 10 µm **Core Diameter** 50 µm **Core Diameter Tolerance** ±2.5 µm Core/Clad Offset, maximum 1 µm

Proof Test 689.476 N/mm² | 100000 psi

Tight Buffer Diameter 900 μm Tight Buffer Diameter Tolerance $\pm 40 \ \mu m$

Mechanical Specifications

 Macrobending, 15 mm Ø mandrel, 2 turns
 0.20 dB @ 850 nm
 0.50 dB @ 1,300 nm

 Macrobending, 30 mm Ø mandrel, 2 turns
 0.10 dB @ 850 nm
 0.30 dB @ 1,300 nm

Coating Strip Force, maximum $4.5 \,\mathrm{N}$ $1.012 \,\mathrm{lbf}$ Coating Strip Force, minimum $0.9 \,\mathrm{N}$ $0.202 \,\mathrm{lbf}$

Dynamic Fatigue Parameter, minimum 18

Optical Specifications

 Numerical Aperture
 0.2

 Numerical Aperture Tolerance
 ±0.015

 Point Defects, maximum
 0.15 dB

COMMSCOPE®

CS-5C-TB-3.0/1.0/093

Zero Dispersion Slope, maximum (OM5)

 $-412/(840(1-(\lambda 0/840)^4)) ps/[km-nm-nm]$

Optical Specifications, Wavelength Specific

1 Gbps Ethernet Distance 1,110 m @ 850 nm | 600 m @ 1,300 nm

10 Gbps Ethernet Distance 550 m @ 850 nm

Attenuation, maximum 1.00 dB/km @ 1,300 nm | 2.30 dB/km @ 953 nm | 3.00 dB/km @

850 nm

 Bandwidth, Laser, minimum
 2,470 MHz-km @ 953 nm
 4,700 MHz-km @ 850 nm

 Bandwidth, OFL, minimum
 1,850 MHz-km @ 953 nm
 3,500 MHz-km @ 850 nm

Index of Refraction 1.477 @ 1,300 nm | 1.482 @ 850 nm

Standards Compliance ANSI/TIA-568.3-D wideband multimode fiber cable | IEC 60793-2-10,

edition 6, model A1a.4 | ISO 11801-1 cabled optical fiber performance

category OM5 | TIA-492AAAE (OM5)

Environmental Specifications

Heat Aging, maximum $0.10 \text{ dB/km} \ @ 85 \ ^{\circ}\text{C}$

Temperature Dependence, maximum0.1 dB/kmTemperature Humidity Cycling, maximum0.1 dB/km

Water Immersion, maximum 0.10 dB/km @ 23 °C

* Footnotes

Temperature Dependence, maximum Temperature dependence is conducted at -60 °C to +85 °C (-76 °F to +185 °F)

Temperature Humidity Cycling, maximum Temperature humidity cycling is conducted at -10 °C to +85 °C (+14 °F to +185 °F)

up to 95% relative humidity

