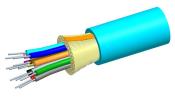
760255335 | L-002-DS-5Y-MSUAQ/093/B1



Fiber indoor cable, Low Smoke Zero Halogen Indoor Distribution, 2 fiber single-unit, Multimode OM3, Meters jacket marking, Agua jacket color

Product Classification

China
CommScope®
Fiber indoor cable
L-DS
China
Tight buffer
Aqua
Meters
E-glass yarns
2
0.9 mm 0.035 in
5.3 mm 0.209 in
106 mm 4.173 in
53 mm 2.087 in
See Sag and Tension tables in Product Documentation section
198 N 44.512 lbf
660 N 148.374 lbf

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Compression Test Method	I	IEC 60794-1-2 E3
Strain		See long and short term tensile loads
Strain Test Method		IEC 60794-1-2-E1
Optical Specificat	ions	
Fiber Type		OM3
Optical Specificat	ions, Wavelength Sp	pecific
Attenuation, maximum		1.00 dB/km @ 1,300 nm 3.00 dB/km @ 850 nm
Environmental Sp	pecifications	
Installation temperature		-10 °C to +60 °C (+14 °F to +140 °F)
Operating Temperature		-20 °C to +70 °C (-4 °F to +158 °F)
Storage Temperature		-40 °C to +70 °C (-40 °F to +158 °F)
Cable Qualification Standa	ırds	Telcordia GR-409
Environmental Space		Low Smoke Zero Halogen (LSZH)
Flame Test Listing		B1
Flame Test Method		GB/T 31247
Environmental Te	est Specifications	
Temperature Cycle		-20 °C to +70 °C (-4 °F to +158 °F)
Temperature Cycle Test M	lethod	IEC 60794-1-2 F1
Regulatory Comp	liance/Certifications	
Agency	Classification	
CHINA-ROHS	Below maximum concentration	n value

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



Included Products

CS-5Y-TB-3.0/1.0/093 - OM3 Bend-Insensitive Multimode Fiber

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* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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

OM3 Bend-Insensitive Multimode Fiber

Product Classification

Portfolio	CommScope®
Product Type	Optical fiber
General Specifications	
Cladding Diameter	125 µm
Cladding Diameter Tolerance	±1.0 μm
Cladding Non-Circularity, maximum	1 %
Coating Diameter (Colored)	245 µm
Coating Diameter Tolerance (Colored)	±10 µm
Coating/Cladding Concentricity Error, maximum	12 µm
Core Diameter	50 µm
Core Diameter Tolerance	±2.5 μm
Core/Clad Offset, maximum	1.5 µm
Proof Test	689.476 N/mm ² 100000 psi
Tight Buffer Diameter	900 µm
Tight Buffer Diameter Tolerance	±40 μm

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
Macrobending, 75 mm Ø mandrel, 100 turns	0.50 dB @ 1,300 nm 0.50 dB @ 850 nm
Coating Strip Force, maximum	8.9 N 2.001 lbf
Coating Strip Force, minimum	1.3 N 0.292 lbf
Dynamic Fatigue Parameter, minimum	18
Optical Specifications	
Numerical Aperture	0.2
Numerical Aperture Tolerance	±0.015
Point Defects, maximum	0.15 dB

Zero Dispersion Slope, maximum

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0.105 ps/[km-nm-nm]

COMMSCOPE°

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

Zero Dispersion Wavelength, maximum	1316 nm
Zero Dispersion Wavelength, minimum	1297 nm

Optical Specifications, Wavelength Specific

1 Gbps Ethernet Distance	1,020 m @ 850 nm 600 m @ 1,300 nm
10 Gbps Ethernet Distance	300 m @ 850 nm
Attenuation, maximum	1.00 dB/km @ 1,300 nm 3.00 dB/km @ 850 nm
Backscatter Coefficient	-68.0 dB @ 850 nm -75.7 dB @ 1,300 nm
Bandwidth, Laser, minimum	2,000 MHz-km @ 850 nm 500 MHz-km @ 1,300 nm
Bandwidth, OFL, minimum	1,500 MHz-km @ 850 nm \mid 500 MHz-km @ 1,300 nm
Differential Mode Delay	0.70 ps/m @ 850 nm 0.88 ps/m @ 1,300 nm
Differential Mode Delay Note	Superior to TIA-492AAAC and IEC 60793-2-10 at 850 nm
Index of Refraction	1.479 @ 1,300 nm 1.483 @ 850 nm
Standards Compliance	TIA-492AAAC (OM3)

Environmental Specifications

Heat Aging, maximum	0.20 dB/km @ 85 °C
Temperature Dependence, maximum	0.1 dB/km
Temperature Humidity Cycling, maximum	0.2 dB/km
Water Immersion, maximum	0.20 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

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