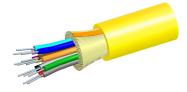
760255308 | L-006-DS-8Z-MSUYL/09X/B2



Fiber indoor cable, Low Smoke Zero Halogen Indoor Distribution, 6 fiber single-unit, Singlemode G.657.A1, Meters jacket marking, Yellow jacket color

Product Classification

Regional Availability	China	
Portfolio	CommScope®	
Product Type	Fiber indoor cable	
Product Series	L-DS	
Country Specific for	China	
General Specifications		
Cable Type	Tight buffer	
Jacket Color	Yellow	
Jacket Marking	Meters	
Strength Members	E-glass yarns	
Total Fiber Count	6	
Dimensions		
Buffer Tube/Subunit Diameter	0.9 mm 0.035 in	
Diameter Over Jacket	5.3 mm 0.209 in	
Mechanical Specifications		
Minimum Bend Radius, loaded	106 mm 4.173 in	
Minimum Bend Radius, unloaded	53 mm 2.087 in	
Tensile Load, long and short term	See Sag and Tension tables in Product Documentation section	
Tensile Load, long term, maximum	198 N 44.512 lbf	
Tensile Load, short term, maximum	660 N 148.374 lbf	
Cable Crush Resistance, maximum	10 N/mm 57.101 lb/in	
Compression	10 N/mm 57.101 lb/in	
Compression Test Method	IEC 60794-1 E3 IEC 60794-1-2 E3	
Strain	See long and short term tensile loads	

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Strain Test Method	IEC 60794-1-2-E1			
Optical Specifications				
Fiber Type	G.652.D and G.657.A1			
Optical Specifications, Wavelength Specific				
Attenuation, maximum	0.3 dB/km @ 1,550 nm 0.3 dB/km @ 1,625 nm 0.40 dB/km @ 1,310 nm			
Environmental Specifications				
Installation temperature	-20 °C to +60 °C (-4 °F to +140 °F)			
Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)			
Storage Temperature	-20 °C to +60 °C (-4 °F to +140 °F)			
Cable Qualification Standards	Telcordia GR-409			
Environmental Space	Low Smoke Zero Halogen (LSZH) Low Smoke Zero Halogen (LSZH)			
Flame Test Listing	B1 B2			
Flame Test Method	GB/T 31247			
Environmental Test Specifications				

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Temperature Cycle	-20 °C to +60 °C (-4 °F to +140 °F)
Temperature Cycle Test Method	IEC 60794-1 F1 IEC 60794-1-2 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-8Z-TB-0.40/0.30/093 -

Low Water Peak, Dispersion-Unshifted Singlemode Fiber

* Footnotes

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Operating Temperature Specification applicable to non-terminated bulk fiber cable

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CS-8Z-TB-0.40/0.30/093

Low Water Peak, Dispersion-Unshifted Singlemode Fiber

Product Classification	
Portfolio	CommScope®
Product Type	Optical fiber
General Specifications	
Cladding Diameter	125 µm
Cladding Diameter Tolerance	±0.7 μm
Cladding Non-Circularity, maximum	1 %
Coating Diameter (Colored)	250 µm
Coating Diameter (Uncolored)	245 µm
Coating Diameter Tolerance (Colored)	±10 μm
Coating Diameter Tolerance (Uncolored)	±10 μm
Coating/Cladding Concentricity Error, maximum	12 µm
Core/Clad Offset, maximum	0.5 µm
Proof Test	689.476 N/mm² 100000 psi
Dimensions	
Fiber Curl, minimum	4 m 13.123 ft
Mechanical Specifications	
Macrobending, 20 mm Ø mandrel, 1 turn	0.75 dB @ 1,550 nm 1.50 dB @ 1,625 nm
Macrobending, 30 mm Ø mandrel, 10 turns	0.25 dB @ 1,550 nm 1.00 dB @ 1,625 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	20
Optical Specifications	
Cabled Cutoff Wavelength, maximum	1260 nm
Point Defects, maximum	0.1 dB
Zero Dispersion Slope, maximum	0.092 ps/[km-nm-nm]
Zero Dispersion Wavelength, maximum	1324 nm

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CS-8Z-TB-0.40/0.30/093

Zero Dispersion Wavelength, minimum		1300 nm
Optical Specifications, Wavelen	gth Specific	
Attenuation, maximum		0.30 dB/km @ 1,550 nm 0.40 dB/km @ 1,310 nm 0.40 dB/km @ 1,385 nm
Index of Refraction		1.467 @ 1,310 nm 1.468 @ 1,550 nm 1.468 @ 1,625 nm
Mode Field Diameter		9.0 μm @ 1,310 nm
Mode Field Diameter Tolerance		±0.4 μm @ 1310 nm
Polarization Mode Dispersion Link Design Value, maximum		0.1 ps/sqrt(km)
Standards Compliance		ITU-T G.652.D ITU-T G.657.A1 TIA-492CAAB (OS2)
Environmental Specifications		
Heat Aging, maximum		0.05 dB/km @ 85 °C
Temperature Dependence, maximum		0.05 dB/km
Temperature Humidity Cycling, maximum		0.05 dB/km
Water Immersion, maximum		0.05 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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