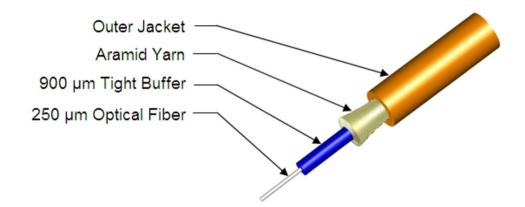
N-001-SP-8W-F16

Fiber Indoor Cable, OptiSPEED® 1.6mm Low Smoke Zero Halogen Riser, 1-fiber Simplex, Singlemode G.652.D and G.657.A1, Meters jacket marking, Eca Flame Rating

Product Classification

Regional Availability	Asia Australia/New Zealand EMEA Latin America North America	
Portfolio	CommScope®	
Product Type	Fiber indoor cable	
Product Series	N-SP	
General Specifications		
Cable Type	Cordage	
Construction Type	Non-armored	
Subunit Type	Gel-free	
Jacket Marking	Feet	
Total Fiber Count	1	
Dimensions		
Diameter Over Jacket	1.7 mm 0.067 in	
Representative Image		



Mechanical Specifications

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Minimum Bend Radius, loaded	38 mm 1.496 in
Minimum Bend Radius, unloaded	15 mm 0.591 in
Tensile Load, long term, maximum	29 N 6.519 lbf
Tensile Load, short term, maximum	98 N 22.031 lbf
Compression	10 N/mm 57.101 lb/in
Compression Test Method	FOTP-41 IEC 60794-1 E3
Flex	300 cycles
Flex Test Method	FOTP-104 IEC 60794-1 E6
Impact	0.74 N-m 6.55 in lb
Impact Test Method	FOTP-25 IEC 60794-1 E4
Strain	See long and short term tensile loads
Strain Test Method	FOTP-33 IEC 60794-1 E1
Twist	10 cycles
Twist Test Method	FOTP-85 IEC 60794-1 E7
Vertical Rise, maximum	500 m 1,640.42 ft
Optical Specifications	
Fiber Type	G.652.D and G.657.A1, TeraSPEED®

Environmental Specifications

Installation temperature -20 °C to +6	0 °C (-4 °F to +140 °F)
Operating Temperature-20 °C to +7	0 °C (-4 °F to +158 °F)
Storage Temperature-40 °C to +7	0 °C (-40 °F to +158 °F)
Cable Qualification Standards ANSI/ICEAS	S-83-596 Telcordia GR-409
EN50575 CPR Cable EuroClass Fire Performance Eca	
Environmental Space Low Smoke	Zero Halogen (LSZH) Riser
Flame Test Listing NEC OFNR-	ST1 (ETL) and c(ETL)
Flame Test MethodIEC 60332-3	IEC 60754-2 IEC 61034-2 UL 1666 UL 1685

Environmental Test Specifications

Heat Age	-20 °C to +85 °C (-4 °F to +185 °F)
Heat Age Test Method	IEC 60794-1 F9
Low High Bend	-20 °C to +70 °C (-4 °F to +158 °F)

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Low High Bend Test Meth	bd	FOTP-37 IEC 60794-1 E11
Temperature Cycle		-20 °C to +70 °C (-4 °F to +158 °F)
Temperature Cycle Test N	lethod	FOTP-3 IEC 60794-1 F1
Packaging and W	/eights	
Cable weight		2.8 kg/km 1.882 lb/kft
Regulatory Compliance/Certifications		
Agency	Classification	
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available	
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system	
CENELEC		

Included Products

CS-8W-TB - TeraSPEED® Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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