810009800/DB | N-072-DS-8W-MMUYL/C

Fiber indoor cable, TeraSPEED® Low Smoke Zero Halogen Riser Distribution, 72 fiber multi-unit with 12 fiber subunits, Gel-free, Singlemode G.652.D and G.657.A1, Meters jacket marking, Yellow jacket color, Cca flame rating

Product Classification

Regional Availability	Asia	Australia/New Zealand	EMEA
Portfolio	CommScope®
Product Type	Fiber indoor cable
Product Series	N-DS

General Specifications

Cable Type	Distribution
Construction Type	Non-armored
Subunit Type	Gel-free
Jacket Color	Yellow
Jacket Marking	Meters
Subunit, quantity	6
Fibers per Subunit, quantity	12
Total Fiber Count	72

Dimensions

Buffer Tube/Subunit Diameter	6.07 mm	0.239 in
Diameter Over Jacket	20.01 mm	0.788 in

Mechanical Specifications

Minimum Bend Radius, loaded	300 mm	11.811 in
Minimum Bend Radius, unloaded	200 mm	7.874 in
Tensile Load, long term, maximum	400 N	89.924 lbf
Tensile Load, short term, maximum	1335 N	300.12 lbf

COMMSCOPE®

810009800/DB | N-072-DS-8W-MMUYL/C

Compression	10 N/mm	57.101 lb/in
Compression Test Method	FOTP-41	IEC 60794-1 E3
Flex	100 cycles
Flex Test Method	FOTP-104	IEC 60794-1 E6
Impact	5.88 N-m	52.042 in lb
Impact Test Method	FOTP-25	IEC 60794-1 E4
Strain Test Method	FOTP-33	IEC 60794-1 E1
Twist	10 cycles
Twist Test Method	FOTP-85	IEC 60794-1 E7
Vertical Rise, maximum	113 m	370.735 ft

Optical Specifications

Fiber Type	G.652.D and G.657.A1, TeraSPEED®

Environmental Specifications

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 Standards	ANSI/ICEA S-83-596	Telcordia GR-409
EN50575 CPR Cable EuroClass Fire Performance	Cca
EN50575 CPR Cable EuroClass Smoke Rating	s1b
EN50575 CPR Cable EuroClass Droplets Rating	d1
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Low Smoke Zero Halogen (LSZH)	Riser
Flame Test Listing	NEC OFNR-ST1 (ETL) and c(ETL)
Flame Test Method	IEC 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	-10 °C to +60 °C (+14 °F to +140 °F)
Low High Bend Test Method	FOTP-37	IEC 60794-1 E11
Temperature Cycle	-20 °C to +70 °C (-4 °F to +158 °F)

COMMSCOPE®

Temperature Cycle Test Method	FOTP-3	IEC 60794-1 F1

Packaging and Weights

Cable weight	360 kg/km	241.909 lb/kft

Included Products

CS-8W-TB   –   TeraSPEED® Singlemode Fiber

* Footnotes

Operating Temperature   Specification applicable to non-terminated bulk fiber cable

COMMSCOPE®