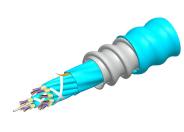
## 760256197 | N-096-MZ-5K-F16AQ/30T/B2



Fiber indoor cable, Riser/LSZH rated, MPO Trunk, interlocking aluminum armored, OM4 multi-mode, 96 fiber, Feet jacket marking, Aqua jacket color, B2ca 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-MZ

General Specifications

Armor Type Interlocking aluminum

Cable TypeMPO trunk cable

Construction TypeArmoredSubunit TypeGel-free

Jacket Color Aqua

Jacket Marking Feet

**Subunit, quantity** 6

Fibers per Subunit, quantity 16

**Total Fiber Count** 96

**Dimensions** 

**Buffer Tube/Subunit Diameter** 3 mm | 0.118 in

**Diameter Over Armor** 18.4 mm | 0.724 in

**Diameter Over Jacket** 20.4 mm | 0.803 in

Mechanical Specifications

Minimum Bend Radius, loaded307 mm12.087 inMinimum Bend Radius, unloaded204 mm8.032 in

Page 1 of 3



# 760256197 | N-096-MZ-5K-F16AQ/30T/B2

**Tensile Load, long term, maximum** 400 N | 89.924 lbf

Tensile Load, short term, maximum 1335 N | 300.12 lbf

**Compression** 85 N/mm | 485.363 lb/in

**Compression Test Method** FOTP-41 | IEC 60794-1 E3

Flex 300 cycles

Flex Test Method FOTP-104 | IEC 60794-1 E6

**Impact** 35 N-m | 309.776 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** 119 m | 390.42 ft

**Optical Specifications** 

Fiber Type OM4, LazrSPEED® 550

### **Environmental Specifications**

**Installation temperature**  $0 \, ^{\circ}\text{C} \text{ to } +70 \, ^{\circ}\text{C} \text{ (-32 } ^{\circ}\text{F to } +158 \, ^{\circ}\text{F)}$ 

**Operating Temperature**  $0 \,^{\circ}\text{C to } +60 \,^{\circ}\text{C (} +32 \,^{\circ}\text{F to } +140 \,^{\circ}\text{F})$ 

**Storage Temperature**  $-40 \,^{\circ}\text{C}$  to  $+70 \,^{\circ}\text{C}$  ( $-40 \,^{\circ}\text{F}$  to  $+158 \,^{\circ}\text{F}$ )

Cable Qualification Standards ANSI/ICEA S-83-596 | Telcordia GR-409

EN50575 CPR Cable EuroClass Fire PerformanceB2caEN50575 CPR Cable EuroClass Smoke Ratings2

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 OFCR-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** 0 °C to +85 °C (+32 °F to +185 °F)

Heat Age Test Method IEC 60794-1 F9

Page 2 of 3



# 760256197 | N-096-MZ-5K-F16AQ/30T/B2

**Low High Bend**  $0 \,^{\circ}\text{C}$  to +60  $^{\circ}\text{C}$  (+32  $^{\circ}\text{F}$  to +140  $^{\circ}\text{F}$ )

**Low High Bend Test Method** FOTP-37 | IEC 60794-1 E11

**Temperature Cycle** 0 °C to +70 °C (+32 °F to +158 °F)

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

Packaging and Weights

**Cable weight** 344 kg/km | 231.157 lb/kft

#### Included Products

CS-5K-MP – LazrSPEED® 550 OM4 Bend-Insensitive Multimode

Fiber

### \* Footnotes

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable

