## 760232777 P-060-CN-RB-Fl2AQ/5X/99E



Fiber Indoor Cable, Plenum All-Dielectric Central Tube Ribbon, 60-fiber, Multimode OM4 bend insensitive, Feet jacket marking, Aqua jacket color

## Product Classification

## Regional Availability

## Portfolio

## Product Type

Product Series

## General Specifications

## Cable Type

Construction Type
Fiber Type, quantity
Fibers per Ribbon, quantity
Jacket Color
Jacket Marking
Subunit Type
Total Fiber Count

## Dimensions

Buffer Tube/Subunit Diameter
Diameter Over Jacket
Representative Image
Asia | Australia/New Zealand | Latin America | Middle East
/Africa | North America

## CommScope®

## Fiber indoor cable

P-CN

## Ribbon central tube

Non-armored6012

Aqua

## Feet

Gel-free60

6 mm | 0.236 in
$9.2 \mathrm{~mm} \mid 0.362 \mathrm{in}$

## 760232777 | P-060-CN-RB-Fl2AQ/5X/99E



## Mechanical Specifications

Minimum Bend Radius, loaded

## Minimum Bend Radius, unloaded

Tensile Load, long term, maximum
Tensile Load, short term, maximum
Compression
Compression Test Method
Flex
Flex Test Method
Impact
Impact Test Method
Strain
Strain Test Method
Twist
Twist Test Method

## Optical Specifications

$182.9 \mathrm{~mm} \mid 7.201 \mathrm{in}$
91.4 mm | 3.598 in

334 N | 75.086 lbf
1335 N | 300.12 lbf
$10 \mathrm{~N} / \mathrm{mm}$ | $57.101 \mathrm{lb} / \mathrm{in}$
FOTP-41 | IEC 60794-1 E3
25 cycles
FOTP-104 | IEC 60794-1 E6
$2.94 \mathrm{~N}-\mathrm{m}$ | 26.021 in lb
FOTP-25 | IEC 60794-1 E4
See long and short term tensile loads
FOTP-33 | IEC 60794-1 E1
10 cycles
FOTP-85 | IEC 60794-1 E7

OM4, bend insensitive | OM4, bend insensitive

## Environmental Specifications

## 760232777 <br> P-060-CN-RB-Fl2AQ/5X/99E

## Storage Temperature

Cable Qualification Standards
Environmental Space
Flame Test Listing
Flame Test Method
Environmental Test Specifications

## Heat Age

Heat Age Test Method
Low High Bend
Low High Bend Test Method
Temperature Cycle
Temperature Cycle Test Method
Packaging and Weights
Cable weight
$-40^{\circ} \mathrm{C}$ to $+70^{\circ} \mathrm{C}\left(-40^{\circ} \mathrm{F}\right.$ to $\left.+158^{\circ} \mathrm{F}\right)$
ANSI/ICEA S-83-596 | Telcordia GR-409
Plenum
NEC OFNP (UL) and c(UL)
NFPA 130 | NFPA 262
$-20^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}\left(-4^{\circ} \mathrm{F}\right.$ to $\left.+185^{\circ} \mathrm{F}\right)$
IEC 60794-1 F9
$0^{\circ} \mathrm{C}$ to $+70^{\circ} \mathrm{C}\left(+32^{\circ} \mathrm{F}\right.$ to $\left.+158^{\circ} \mathrm{F}\right)$
FOTP-37 | IEC 60794-1 E11
$-20^{\circ} \mathrm{C}$ to $+70^{\circ} \mathrm{C}\left(-4^{\circ} \mathrm{F}\right.$ to $\left.+158^{\circ} \mathrm{F}\right)$
FOTP-3 | IEC 60794-1 F1
$85 \mathrm{~kg} / \mathrm{km}$ | $57.117 \mathrm{lb} / \mathrm{kft}$

## Regulatory Compliance/Certifications

## Agency

ISO 9001:2015

## Included Products

CS-5X-RB

- $\quad 50 \mu \mathrm{~m}$ OM4 Bend-Insensitive Multimode Fiber


## * Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

## 50um OM4 Bend-Insensitive Multimode Fiber

## Product Classification

## Portfolio

Product Type

## General Specifications

Cladding Diameter
Cladding Diameter Tolerance
Cladding Non-Circularity, maximum
Coating Diameter (Colored)
Coating Diameter (Uncolored)
Coating Diameter Tolerance (Colored)
Coating Diameter Tolerance (Uncolored)
Coating/Cladding Concentricity Error, maximum
Core Diameter
Core Diameter Tolerance
Core/Clad Offset, maximum
Proof Test

## Mechanical Specifications

## Macrobending, 15 mm mandrel, 2 turns

Macrobending, 30 mm mandrel, 2 turns
Coating Strip Force, maximum
Coating Strip Force, minimum
Dynamic Fatigue Parameter, minimum

## Optical Specifications

Numerical Aperture 0.2
Numerical Aperture Tolerance
Point Defects, maximum
Zero Dispersion Slope, maximum
Zero Dispersion Wavelength, maximum

CommScope®
Optical fiber
$125 \mu \mathrm{~m}$
$\pm 1.0 \mu \mathrm{~m}$
$1 \%$
$250 \mu \mathrm{~m}$
$245 \mu \mathrm{~m}$
$\pm 15 \mu \mathrm{~m}$
$\pm 10 \mu \mathrm{~m}$
$12 \mu \mathrm{~m}$
$50 \mu \mathrm{~m}$
$\pm 3 \mu \mathrm{~m}$
$1 \mu \mathrm{~m}$
689.476 N/mm² | 100000 psi
0.20 dB @ 850 nm | 0.50 dB @ 1,300 nm
0.10 dB @ 850 nm | 0.30 dB @ 1,300 nm
8.9 N | 2.001 lbf
$1.3 \mathrm{~N} \mid 0.292 \mathrm{lbf}$ 180.2
$\pm 0.015$
0.2 dB
0.105 ps/[km-nm-nm]

1340 nm

Zero Dispersion Wavelength, minimum
1295 nm

## Optical Specifications, Wavelength Specific

## 1 Gbps Ethernet Distance

10 Gbps Ethernet Distance

## Attenuation, maximum

## Backscatter Coefficient

Bandwidth, Laser, minimum
Bandwidth, OFL, minimum
Differential Mode Delay Note
Index of Refraction
Standards Compliance

1,000 m @ 850 nm | 550 m @ 1,300 nm 550 m @ 850 nm
$1.50 \mathrm{~dB} / \mathrm{km} @ 1,300 \mathrm{~nm}$ | $3.50 \mathrm{~dB} / \mathrm{km} @ 850 \mathrm{~nm}$ -68.0 dB @ 850 nm | -75.7 dB @ 1,300 nm
$4,700 \mathrm{MHz}-\mathrm{km} @ 850 \mathrm{~nm}$ | $500 \mathrm{MHz}-\mathrm{km} @ 1,300 \mathrm{~nm}$
$3,500 \mathrm{MHz}-\mathrm{km} @ 850 \mathrm{~nm}$ | $500 \mathrm{MHz}-\mathrm{km} @ 1,300 \mathrm{~nm}$
Superior to TIA-492AAAC and IEC 60793-2-10 at 850 nm
1.478 @ 1,300 nm | $1.482 @ 850$ nm

TIA-492AAAD (OM4)

## Environmental Specifications

Heat Aging, maximum
Temperature Dependence, maximum
Temperature Humidity Cycling, maximum
Water Immersion, maximum
$0.10 \mathrm{~dB} / \mathrm{km} @ 85^{\circ} \mathrm{C}$
0.1 dB/km
0.1 dB/km
$0.10 \mathrm{~dB} / \mathrm{km} @ 23^{\circ} \mathrm{C}$

## Regulatory Compliance/Certifications

## Agency

ISO 9001:2015


418
9001:2015

## * Footnotes

## Temperature Dependence, maximum

Temperature Humidity Cycling, maximum

Temperature dependence is conducted at $-60^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}\left(-76^{\circ} \mathrm{F}\right.$ to $\left.+185^{\circ} \mathrm{F}\right)$
Temperature humidity cycling is conducted at $-10^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}\left(+14^{\circ} \mathrm{F}\right.$ to $\left.+185^{\circ} \mathrm{F}\right)$ up to $95 \%$ relative humidity

