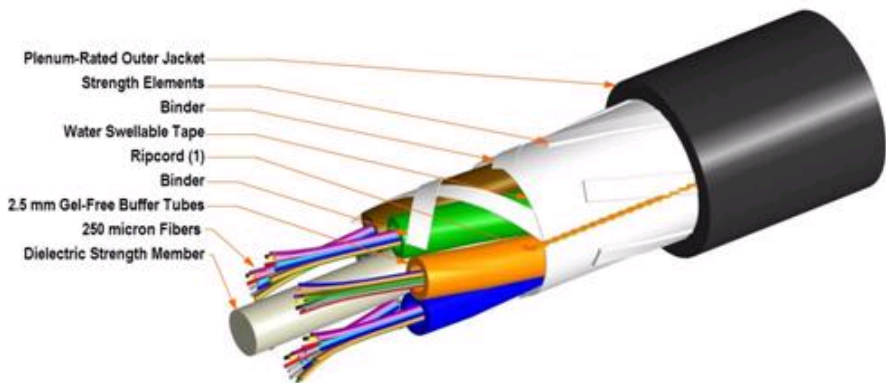


760094995 | P-048-LN-5L-F12BK/25D

Indoor/Outdoor Single Jacket All-Dielectric Plenum Stranded Loose Tube Gel-Free Cable

Representative Image



General Specifications

Cable Type	Stranded loose tube
Construction Type	Non-armored
Subunit Type	Gel-free

Construction Materials

Fiber Type Solution	LazrSPEED® 300, 50 µm multimode fiber
Total Fiber Quantity	48
Fiber Type	LazrSPEED® 300, 50 µm multimode fiber
Fiber Type, quantity	48
Fibers Per Subunit, quantity	12
Jacket Color	Black
Jacket UV Resistance	UV stabilized

Dimensions

Buffer Tube/Subunit Diameter	2.50 mm   0.10 in
Cable Weight	64.0 lb/kft   96.0 kg/km
Diameter Over Jacket	9.70 mm   0.38 in
Filler, quantity	1
Subunit, quantity	4

Physical Specifications

Minimum Bend Radius, loaded	14.6 cm   5.7 in
-----------------------------	------------------

760094995 | P-048-IN-5L-F12BK/25D

Minimum Bend Radius, unloaded	9.7 cm		3.8 in
Tensile Load, long term, maximum	180 lbf		800 N
Tensile Load, short term, maximum	2700 N		607 lbf
Vertical Rise, maximum	856.0 m		2808.4 ft

## Flame Test Specifications

Flame Test Listing	NEC OFNP (ETL) and c(ETL)
Flame Test Method	NFPA 262

## Environmental Specifications

Environmental Space	Plenum
Installation Temperature	-30 °C to +70 °C (-22 °F to +158 °F)
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	-40 °C to +75 °C (-40 °F to +167 °F)

## Mechanical Test Specifications

Compression	125 lb/in		22 N/mm
Compression Test Method	FOTP-41		IEC 60794-1-2, Section 7
Flex	35 cycles		
Flex Test Method	FOTP-24		IEC 60794-1-2, Section 10
Impact	2.17 ft lb		2.94 N-m
Impact Test Method	FOTP-25		IEC 60794-1-2, Section 8
Strain	See long and short term tensile loads		
Strain Test Method	FOTP-33		IEC 60794-1-2, Section 5
Twist	10 cycles		
Twist Test Method	FOTP-85		IEC 60794-1-2, Section 11
Water Penetration	24 h		
Water Penetration Test Method	FOTP-82		IEC 60794-1-2, Section 24

## Environmental Test Specifications

Cable Freeze	-2 °C		28 °F
Cable Freeze Test Method	FOTP-98		
Heat Age	-40 °C to +85 °C		(-40 °F to +185 °F)
Heat Age Test Method	Not applicable		
Low High Bend	-30 °C to +60 °C		(-22 °F to +140 °F)
Low High Bend Test Method	FOTP-28		IEC 60794-1-2, Section 28
Temperature Cycle	-40 °C to +70 °C		(-40 °F to +158 °F)
Temperature Cycle Test Method	FOTP-3		IEC 60794-1-2, Section 22

## Qualification Specifications

Cable Qualification Standards	ANSI/ICEA S-104-696-2001		EN 187105		Telcordia GR -409-CORE Issue 2
-------------------------------	--------------------------	--	-----------	--	--------------------------------

## Regulatory Compliance/Certifications

Agency	Classification
RoHS 2002/95/EC	Compliant

760094995 | P-048-LN-5L-F12BK/25D

ISO 9001:2008      Designed, manufactured and/or distributed under this quality management system



## Included Products

---

CS-5L-LT (Product Component—not orderable) — LazrSPEED® 300 OM3 Multimode Fiber