

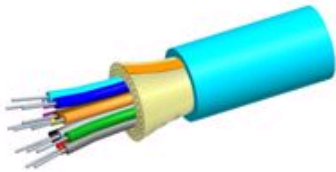
# Product Specifications



5201 012A WPYL

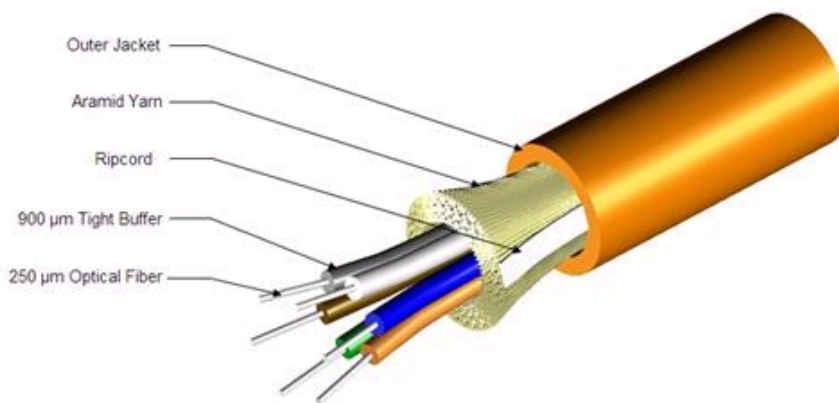
Material ID: 760004358

Plenum Distribution Cable, 12 fiber single-unit



## CHARACTERISTICS

### Representative Image



### General Specifications

Cable Type	Distribution
Construction Type	Non-armored
Fiber Series	5201

### Construction Materials

Fiber Type Solution	TeraSPEED®, zero water peak single-mode fiber
Total Fiber Quantity	12
Fiber Type	TeraSPEED®, zero water peak single-mode fiber
Fiber Type, quantity	12
Jacket Color	Yellow



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# Product Specifications

5201 012A WPYL



## Dimensions

Cable Weight	21.0 lbs/kft   31.0 kg/km
Diameter Over Jacket	5.90 mm   0.23 in

## Physical Specifications

Maximum Tensile Load, Long Term	400 N   90 lbf
Maximum Tensile Load, Short Term	1335 N   300 lbf
Maximum Vertical Rise	500.0 m   1640.4 ft
Minimum Bend Radius, Loaded	11.7 cm   4.6 in
Minimum Bend Radius, Unloaded	5.9 cm   2.3 in

## Flame Test Specifications

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

## Environmental Specifications

Environmental Space	Plenum
Installation Temperature	0 °C to +70 °C (+32 °F to +158 °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)

## Mechanical Test Specifications

Compression	10 N/mm <sup>2</sup>   57 psi
Compression Test Method	FOTP-41   IEC 60794 -1-2, Section 7
Flex	100 cycles
Flex Test Method	FOTP-24   IEC 60794 -1-2, Section 10
Impact	4.34 ft lb   5.88 N-m
Impact Test Method	FOTP-25   IEC 60794 -1-2, Section 8
Strain	See long term 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

## Environmental Test Specifications

Heat Age	-20 °C to +85 °C (-4 °F to +185 °F)
Heat Age Test Method	Not applicable
Low High Bend	-20 °C to +70 °C (-4 °F to +158 °F)
Low High Bend Test Method	FOTP-28   IEC 60794 -1-2, Section 28
Temperature Cycle	-20 °C to +70 °C (-4 °F to +158 °F)
Temperature Cycle Test Method	FOTP-3   IEC 60794 -1-2, Section 22



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## Qualification Specifications

Cable Qualification Standards    ANSI/ICEA S-83-596-2001 | Telcordia GR-409-CORE Issue 2

## Regulatory Compliance/Certifications

### Agency

RoHS 2002/95/EC  
ISO 9001:2008

### Classification

Compliant  
Compliant



## Included Products

**TeraSPEED SY-8W-TB** (Product Component—not orderable)  
TeraSPEED® Single-mode Fiber

**SYSTIMAX®**  
SOLUTIONS  
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