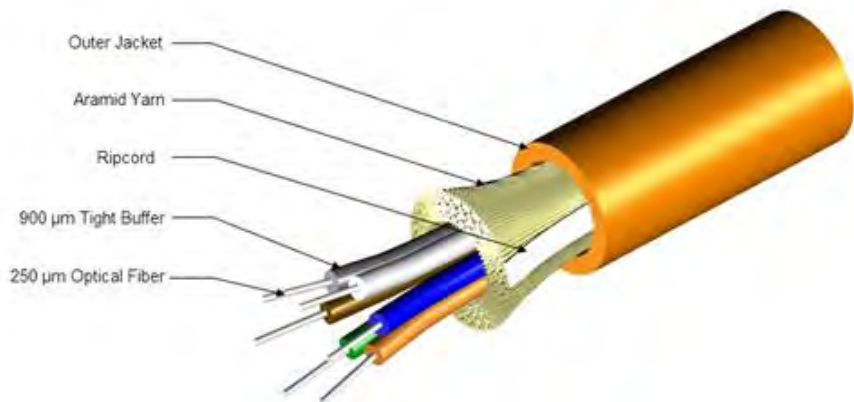


760162891 | P-012-DS-8W-FSUAQ  
Plenum Distribution Cable, 12 fiber single-unit

## Representative Image



## General Specifications

Cable Type	Distribution
Construction Type	Non-armored
Subunit Type	Gel-free

## Construction Materials

Fiber Type Solution	TeraSPEED®, zero water peak singlemode fiber (G.652.D, G.657.A1)
Total Fiber Count	12
Fiber Type	TeraSPEED®, zero water peak singlemode fiber (G.652.D, G.657.A1)
Fiber Type, quantity	12
Jacket Color	Aqua

## Dimensions

Cable Weight	21.0 lb/kft   31.0 kg/km
Diameter Over Jacket	5.77 mm   0.23 in

## Physical Specifications

Minimum Bend Radius, loaded	8.6 cm   3.4 in
Minimum Bend Radius, unloaded	5.8 cm   2.3 in
Tensile Load, long term, maximum	45 lbf   200 N
Tensile Load, short term, maximum	150 lbf   667 N

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Vertical Rise, maximum 500.0 m | 1640.4 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	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   57 lb/in
Compression Test Method	FOTP-41   IEC 60794-1-2, Section 7
Flex	100 cycles
Flex Test Method	FOTP-104   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 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-37   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

## Qualification Specifications

Cable Qualification Standards	ANSI/ICEA S-83-596   Telcordia GR-409
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## Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system



## Included Products

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CS-8W-TB (Product Component—not orderable) — TeraSPEED® Singlemode Fiber