# P-144-MZ-8W-F12

Fiber indoor cable, TeraSPEED® Plenum MPO Trunk, interlocking aluminum armored with plenum jacket, Singlemode G.652.D and G.657.A1, 144 fiber multi-unit with 12 fiber subunits, Feet cable marking

#### Product Classification **Regional Availability** Asia | Australia/New Zealand | Latin America | Middle East /Africa | North America Portfolio CommScope® **Product Type** Fiber indoor cable **Product Series** P-MZ General Specifications Armor Type Interlocking aluminum Cable Type MPO trunk cable Armored **Construction Type** Gel-free Subunit Type **Jacket Marking** Feet 12 Subunit, quantity Fibers per Subunit, quantity 12 **Total Fiber Count** 144 Dimensions **Buffer Tube/Subunit Diameter** 3 mm | 0.118 in **Diameter Over Armor** 20.96 mm | 0.825 in **Diameter Over Jacket** 23 mm | 0.906 in

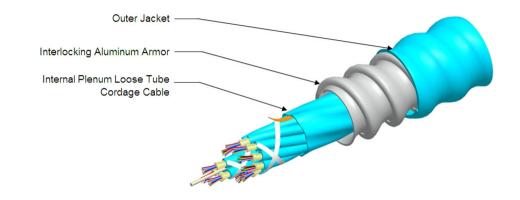
# Representative Image

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# Mechanical Specifications

Minimum Bend Radius, loaded	434 mm   17.087 in
Minimum Bend Radius, unloaded	304 mm   11.969 in
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	104 m   341.207 ft
Optical Specifications	
Fiber Type	G.652.D and G.657.A1, TeraSPEED®   OS2   OS2

### **Environmental Specifications**

Installation temperature

0 °C to +70 °C (+32 °F to +158 °F)

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Operating Temperature	0 °C to +70 °C (+32 °F to +158 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Cable Qualification Standards	ANSI/ICEA S-83-596   Telcordia GR-409
Environmental Space	Plenum
Flame Test Listing	NEC OFCP (ETL) and c(ETL)
Flame Test Method	NFPA 262

# Environmental Test Specifications

Heat Age	0 °C to +85 °C (+32 °F to +185 °F)
Heat Age Test Method	IEC 60794-1 F9
Low High Bend	0 °C to +70 °C (+32 °F to +158 °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

392 kg/km | 263.412 lb/kft

### Regulatory Compliance/Certifications

Classification

### Agency

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system

# Included Products

CS-8W-MP - TeraSPEED® OS2 Singlemode Fiber

# \* Footnotes

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

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