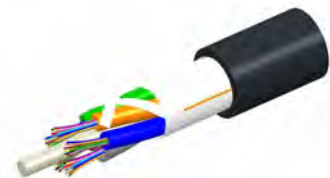
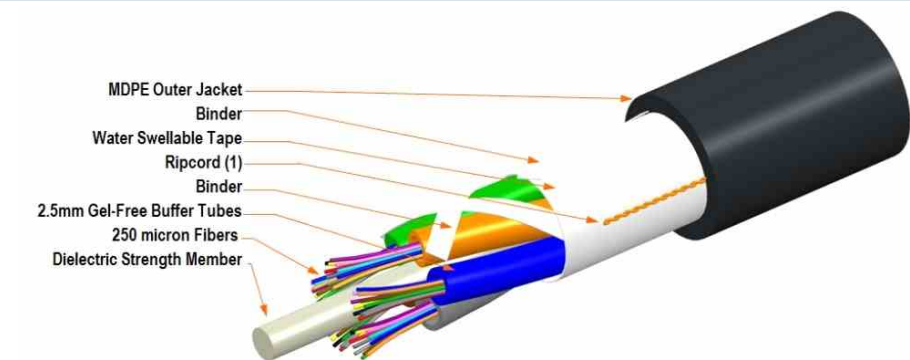


760053868 | D-036-LN-8W-F12NS  
Single Jacket All-Dielectric, Gel-Free, Outdoor Stranded Loose Tube Cable



## Representative Image



## General Specifications

Cable Type	Stranded loose tube
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   OS2)
Jacket Material	PE
Total Fiber Count	36
Fiber Type	TeraSPEED®, zero water peak singlemode fiber (G.652.D, G.657.A1   OS2)
Fiber Type, quantity	36
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	66.0 kg/km   44.0 lb/kft
Diameter Over Jacket	10.20 mm   0.40 in
Filler, quantity	2
Subunit, quantity	3

## Physical Specifications

Minimum Bend Radius, loaded	15.3 cm   6.0 in
-----------------------------	------------------

760053868 | D036LN-8WF12NS

Minimum Bend Radius, unloaded	10.2 cm		4.0 in
Tensile Load, long term, maximum	180 lbf		800 N
Tensile Load, short term, maximum	2700 N		607 lbf
Vertical Rise, maximum	1247.0 m		4091.2 ft

## Environmental Specifications

Environmental Space	Aerial, lashed		Buried
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 E3
Flex	35 cycles		
Flex Test Method	FOTP-104		IEC 60794-1 E6
Impact	2.17 ft lb		2.94 N-m
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
Water Penetration	24 h		
Water Penetration Test Method	FOTP-82		IEC 60794-1 F5

## Environmental Test Specifications

Cable Freeze	-2 °C		28 °F
Cable Freeze Test Method	FOTP-98		IEC 60794-1 F15
Heat Age	-40 °C to +85 °C (-40 °F to +185 °F)		
Heat Age Test Method	IEC 60794-1 F9		
Low High Bend	-30 °C to +60 °C (-22 °F to +140 °F)		
Low High Bend Test Method	FOTP-37		IEC 60794-1 E11
Temperature Cycle	-40 °C to +70 °C (-40 °F to +158 °F)		
Temperature Cycle Test Method	FOTP-3		IEC 60794-1 F1

## Qualification Specifications

Cable Qualification Standards	ANSI/ICEA S-87-640		EN 187105		Telcordia GR-20
-------------------------------	--------------------	--	-----------	--	-----------------

## 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

---

CS-8W-LT (Product Component—not orderable) — TeraSPEED® OS2 Singlemode Fiber

## \* Footnotes

---

Operating Temperature Specification applicable to non-terminated bulk fiber cable