

HeliARCT™ LightScope® ZWP Single Jacket/Single Armor, Gel-Free, Outdoor Stranded Loose Tube Cable with single yellow stripe on the outer jacket, Build America Buy America (BABA)

- Corrugated steel tape armor is strong yet flexible, providing additional crush and rodent protection
- \*Product complies with the Build America, Buy America Act (BABAA) requirements of the Infrastructure Investment and Jobs Act of 2021 (Pub. L. 117- 58, §§ 70901-70953), or is the subject of a waiver approved by the Secretary of Commerce or designee. Compliance requirements and waiver applicability vary based on government funding program. Check the laws and regulations for your specific program.

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Fiber OSP cable
<b>Product Series</b>	D-HA
<b>Government Requirements</b>	Build America Buy America (BABA) compliant*

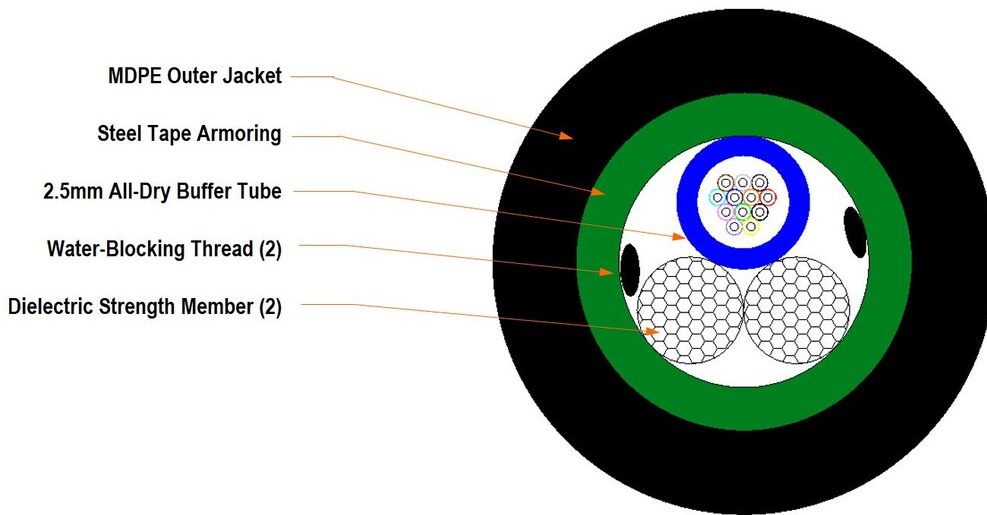
## General Specifications

<b>Armor Type</b>	Corrugated steel
<b>Cable Type</b>	Stranded loose tube
<b>Construction Type</b>	Armored
<b>Subunit Type</b>	Gel-free
<b>Jacket Color</b>	Black
<b>Jacket Marking</b>	Feet
<b>Location of Manufacturing</b>	Claremont, North Carolina
<b>Subunit, quantity</b>	1
<b>Fibers per Subunit, quantity</b>	12
<b>Total Fiber Count</b>	12

## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	2.5 mm   0.098 in
<b>Diameter Over Jacket</b>	7.7 mm   0.303 in

## Cross Section Drawing



## Material Specifications

**Jacket Material** PE

## Mechanical Specifications

<b>Minimum Bend Radius, loaded</b>	116 mm   4.567 in
<b>Minimum Bend Radius, unloaded</b>	77 mm   3.031 in
<b>Tensile Load, long term, maximum</b>	400 N   89.924 lbf
<b>Tensile Load, short term, maximum</b>	1335 N   300.12 lbf
<b>Compression</b>	22 N/mm   125.623 lb/in
<b>Compression Test Method</b>	FOTP-41   IEC 60794-1 E3
<b>Flex</b>	25 cycles
<b>Flex Test Method</b>	FOTP-104   IEC 60794-1 E6
<b>Impact</b>	2.94 N-m   26.021 in lb
<b>Impact Test Method</b>	FOTP-25   IEC 60794-1 E4
<b>Strain</b>	See long and short term tensile loads
<b>Strain Test Method</b>	FOTP-33   IEC 60794-1 E1
<b>Twist</b>	10 cycles
<b>Twist Test Method</b>	FOTP-85   IEC 60794-1 E7
<b>Vertical Rise, maximum</b>	655 m   2,148.95 ft

# 810010302/DB | D-012-HA-8W-F12YL/LTS

---

## Optical Specifications

**Fiber Type** G.652.D and G.657.A1, TeraSPEED® | OS2

## Environmental Specifications

**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)

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

**Environmental Space** Aerial, lashed | Buried

**Jacket UV Resistance** UV stabilized

**Water Penetration** 24 h

**Water Penetration Test Method** FOTP-82 | IEC 60794-1 F5

## Environmental Test Specifications

**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

## Packaging and Weights

**Cable weight** 64 kg/km | 43.006 lb/kft

## Included Products

CS-8W-LT – TeraSPEED® G652D/G657A1 Singlemode Fiber

## \* Footnotes

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