

## TeraSPEED® Single Jacket/Single Armor, Gel-Filled, Outdoor Central Tube Cable

- Corrugated steel tape armor is strong yet flexible, providing additional crush and rodent protection

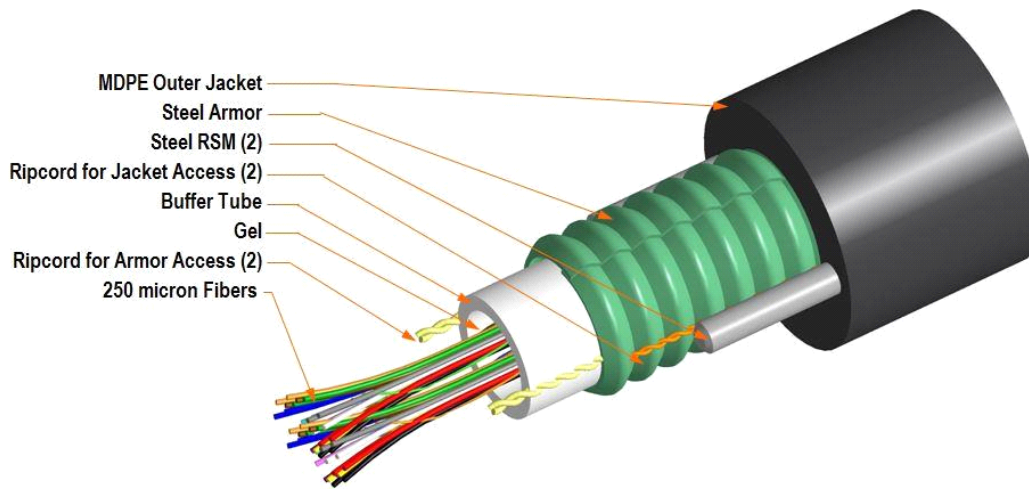
### Product Classification

|                              |   |
|------------------------------|---|
| <b>Portfolio</b>             | CommScope®  |
| <b>Product Type</b>          | Fiber OSP cable   |
| <b>Regional Availability</b> | Asia   Australia/New Zealand   EMEA   Latin America   North America |

### Standards And Qualifications

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

### Representative Image



### General Specifications

|                          |                    |
|--------------------------|--------------------|
| <b>Cable Type</b>        | Central loose tube |
| <b>Construction Type</b> | Armored            |
| <b>Subunit Type</b>      | Gel-filled         |

### Construction Materials

|                            |   |
|----------------------------|---|
| <b>Fiber Type Solution</b> | G.652.D and G.657.A1 , TeraSPEED®   OS2 |
| <b>Jacket Material</b>     | PE                                      |
| <b>Total Fiber Count</b>   | 8                                       |
| <b>Armor Type</b>          | Corrugated steel                        |

|                                     |  |
|-------------------------------------|--|
| <b>Fiber Type</b>                   | G.652.D and G.657.A1, TeraSPEED®   OS2 |
| <b>Fiber Type, quantity</b>         | 8                                      |
| <b>Fibers per Subunit, quantity</b> | 8                                      |
| <b>Jacket Color</b>                 | Black                                  |
| <b>Jacket UV Resistance</b>         | UV stabilized                          |

## Dimensions

|                                     |                           |
|-------------------------------------|---------------------------|
| <b>Buffer Tube/Subunit Diameter</b> | 4.00 mm   0.16 in         |
| <b>Cable Weight</b>                 | 135.0 kg/km   91.0 lb/kft |
| <b>Diameter Over Jacket</b>         | 11.00 mm   0.43 in        |
| <b>Subunit, quantity</b>            | 1                         |

## Physical Specifications

|  |                     |
|--|---------------------|
| <b>Minimum Bend Radius, loaded</b>       | 16.5 cm   6.5 in    |
| <b>Minimum Bend Radius, unloaded</b>     | 11.0 cm   4.3 in    |
| <b>Tensile Load, long term, maximum</b>  | 180 lbf   800 N     |
| <b>Tensile Load, short term, maximum</b> | 2700 N   607 lbf    |
| <b>Vertical Rise, maximum</b>            | 607.0 m   1991.5 ft |

## Environmental Specifications

|                                 |                                      |
|---------------------------------|--------------------------------------|
| <b>Environmental Space</b>      | Aerial, lashed   Buried              |
| <b>Installation Temperature</b> | -30 °C to +70 °C (-22 °F to +158 °F) |
| <b>Operating Temperature</b>    | -40 °C to +70 °C (-40 °F to +158 °F) |
| <b>Storage Temperature</b>      | -40 °C to +75 °C (-40 °F to +167 °F) |

## Mechanical Test Specifications

|                                      |                                       |
|--------------------------------------|---------------------------------------|
| <b>Compression</b>                   | 250 lb/in   44 N/mm                   |
| <b>Compression Test Method</b>       | FOTP-41   IEC 60794-1 E3              |
| <b>Flex</b>                          | 35 cycles                             |
| <b>Flex Test Method</b>              | FOTP-104   IEC 60794-1 E6             |
| <b>Impact</b>                        | 2.17 ft lb   2.94 N-m                 |
| <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>Water Penetration</b>             | 24 h                                  |
| <b>Water Penetration Test Method</b> | FOTP-82   IEC 60794-1 F5              |

## Environmental Test Specifications

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| <b>Cable Freeze</b>                  | -2 °C   28 °F                        |
| <b>Cable Freeze Test Method</b>      | FOTP-98   IEC 60794-1 F15            |
| <b>Drip</b>                          | 70 °C   158 °F                       |
| <b>Drip Test Method</b>              | FOTP-81   IEC 60794-1 E14            |
| <b>Heat Age</b>                      | -40 °C to +85 °C (-40 °F to +185 °F) |
| <b>Heat Age Test Method</b>          | IEC 60794-1 F9                       |
| <b>Low High Bend</b>                 | -30 °C to +60 °C (-22 °F to +140 °F) |
| <b>Low High Bend Test Method</b>     | FOTP-37   IEC 60794-1 E11            |
| <b>Temperature Cycle</b>             | -40 °C to +70 °C (-40 °F to +158 °F) |
| <b>Temperature Cycle Test Method</b> | FOTP-3   IEC 60794-1 F1              |

## Regulatory Compliance/Certifications

| <b>Agency</b>   | <b>Classification</b>  |
|-----------------|--|
| RoHS 2011/65/EU | Compliant  |
| ISO 9001:2015   | 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