



Fiber OSP cable, PE, Gel-filled Central Tube, CST, 6 fiber, Singlemode G. 657.A1, Meters jacket marking, Black jacket color

## Product Classification

|                              |                              |
|------------------------------|------------------------------|
| <b>Regional Availability</b> | Asia   Australia/New Zealand |
| <b>Portfolio</b>             | CommScope®                   |
| <b>Product Type</b>          | Fiber OSP cable              |
| <b>Product Series</b>        | O-CA                         |

## General Specifications

|                                     |                    |
|-------------------------------------|--------------------|
| <b>Cable Type</b>                   | Central loose tube |
| <b>Construction Type</b>            | Armored            |
| <b>Fibers per Subunit, quantity</b> | 6                  |
| <b>Jacket Color</b>                 | Black              |
| <b>Jacket Marking</b>               | Feet               |
| <b>Subunit Type</b>                 | Gel-filled         |
| <b>Total Fiber Count</b>            | 6                  |

## Dimensions

|                                     |                   |
|-------------------------------------|-------------------|
| <b>Buffer Tube/Subunit Diameter</b> | 2.8 mm   0.11 in  |
| <b>Diameter Over Jacket</b>         | 9.1 mm   0.358 in |

## Mechanical Specifications

|  |                         |
|--|-------------------------|
| <b>Minimum Bend Radius, loaded</b>       | 182 mm   7.165 in       |
| <b>Minimum Bend Radius, unloaded</b>     | 91 mm   3.583 in        |
| <b>Tensile Load, long term, maximum</b>  | 890 N   200.08 lbf      |
| <b>Tensile Load, short term, maximum</b> | 2700 N   606.984 lbf    |
| <b>Compression</b>                       | 20 N/mm   114.203 lb/in |
| <b>Compression Test Method</b>           | IEC 60794-1-2 E3        |

|                           |                                       |
|---------------------------|---------------------------------------|
| <b>Flex</b>               | 25 cycles                             |
| <b>Strain</b>             | See long and short term tensile loads |
| <b>Strain Test Method</b> | IEC 60794-1-2-E1                      |

## Optical Specifications

|                   |     |
|-------------------|-----|
| <b>Fiber Type</b> | OS2 |
|-------------------|-----|

## Optical Specifications, Wavelength Specific

|                             |   |
|-----------------------------|---|
| <b>Attenuation, maximum</b> | 0.22 dB/km @ 1,550 nm   0.38 dB/km @ 1,310 nm |
|-----------------------------|---|

## Environmental Specifications

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| <b>Installation temperature</b>      | -10 °C to +60 °C (+14 °F to +140 °F) |
| <b>Operating Temperature</b>         | -40 °C to +70 °C (-40 °F to +158 °F) |
| <b>Storage Temperature</b>           | -40 °C to +70 °C (-40 °F to +158 °F) |
| <b>Environmental Space</b>           | Buried   Ducted   Outdoor            |
| <b>Water Penetration</b>             | 24 h                                 |
| <b>Water Penetration Test Method</b> | IEC 60794-1 F5B                      |

## Environmental Test Specifications

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| <b>Temperature Cycle</b>             | -40 °C to +70 °C (-40 °F to +158 °F) |
| <b>Temperature Cycle Test Method</b> | IEC 60794-1-2 F1                     |

## Packaging and Weights

|                     |                          |
|---------------------|--------------------------|
| <b>Cable weight</b> | 92 kg/km   61.821 lb/kft |
|---------------------|--------------------------|

## Regulatory Compliance/Certifications

| <b>Agency</b> | <b>Classification</b>  |
|---------------|--|
| CHINA-ROHS    | Below maximum concentration value  |
| REACH-SVHC    | Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS          | Compliant  |



## Included Products

|          |   |
|----------|---|
| CS-8Z-LT | - Low Water Peak, Dispersion-Unshifted Singlemode |
|----------|---|

Fiber

\* Footnotes

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