



Fiber OSP cable, PE, Gel-filled Central Tube, CST, 12 fiber, Singlemode G.652.D and G.657.A1, Meters jacket marking, Black jacket color

Product Classification

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

General Specifications

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|------------------------------|--------------------|
| Cable Type | Central loose tube |
| Construction Type | Armored |
| Subunit Type | Gel-filled |
| Jacket Color | Black |
| Jacket Marking | Feet |
| Fibers per Subunit, quantity | 12 |
| Total Fiber Count | 12 |

Dimensions

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

Material Specifications

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|-----------------|------|
| Jacket Material | MDPE |
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Mechanical Specifications

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|-----------------------------------|-------------------------|
| Minimum Bend Radius, loaded | 182 mm 7.165 in |
| Minimum Bend Radius, unloaded | 91 mm 3.583 in |
| Tensile Load, long term, maximum | 890 N 200.08 lbf |
| Tensile Load, short term, maximum | 2700 N 606.984 lbf |
| Compression | 20 N/mm 114.203 lb/in |

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|-------------------------|---------------------------------------|
| Compression Test Method | IEC 60794-1-2 E3 |
| Flex | 25 cycles |
| Strain | See long and short term tensile loads |
| Strain Test Method | IEC 60794-1-2-E1 |

Optical Specifications

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|------------|----------------------------|
| Fiber Type | G.652.D and G.657.A1 OS2 |
|------------|----------------------------|

Optical Specifications, Wavelength Specific

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

Environmental Specifications

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

Environmental Test Specifications

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

Packaging and Weights

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|--------------|--------------------------|
| Cable weight | 92 kg/km 61.821 lb/kft |
|--------------|--------------------------|

Regulatory Compliance/Certifications

| Agency | Classification |
|------------|---|
| CHINA-ROHS | Below maximum concentration value |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant |
| UK-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