## BELDEN

## Product: OSP6U [] <br> Category 6 OSP Cable, 4 Pair, U/UTP, Gel Filled

## Product Description

Category 6 Premise Horizontal Cable (350MHz), OSP Rated, 4-Pair, 24 AWG Solid Bare Copper Conductors, U/UTP, Gel-Filled, Polyethylene Jacket

## Technical Specifications

Product Overview


| 31.25 | 10.7 dB/100m | 51.9 | 49.9 | 39.2 | 37.9 | 34.9 | 23.6 | $100 \pm 15$ | $100 \pm 15$ | 35.1 | 5.1 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 62.5 | 15.4 dB/100m | 47.4 | 45.4 | 30.0 | 31.8 | 28.8 | 21.5 | $100 \pm 15$ | $100 \pm 15$ | 32.0 |  |
| 100 | 19.8 dB/100m | 44.3 | 42.3 | 22.5 | 27.8 | 24.8 | 20.1 | $100 \pm 15$ | $100 \pm 15$ | 30.0 |  |
| 155 | $25.2 \mathrm{~dB} / 100 \mathrm{~m}$ | 41.5 | 39.5 | 14.3 | 23.9 | 20.9 | 18.8 | $100 \pm 22$ | $100 \pm 15$ | 28.1 |  |
| 200 | 29.0 dB/100m | 39.8 | 37.8 | 8.8 | 21.7 | 18.7 | 18.0 | $100 \pm 22$ | $100 \pm 15$ | 27.0 |  |
| 250 | 32.8 dB/100m | 38.3 | 36.3 | 3.5 | 19.8 | 16.8 | 17.3 | $100 \pm 32$ | $100 \pm 15$ | 26.0 |  |

## Voltage

| Voltage Rating |
| :--- |
| 300 V |

Mechanical Characteristics

Temperature

| Operating | Installation | Storage |
| :---: | :---: | :---: |
| $-40^{\circ} \mathrm{C} \mathrm{To}+75^{\circ} \mathrm{C}$ | $-40^{\circ} \mathrm{C} \mathrm{To}+60^{\circ} \mathrm{C}$ | $-40^{\circ} \mathrm{C} \mathrm{To}+75^{\circ} \mathrm{C}$ |

## Bend Radius

| Stationary Min. | Installation Min. |
| :--- | :--- |
| 1.0 in $(25 \mathrm{~mm})$ | 2.5 in $(64 \mathrm{~mm})$ |


| Max. Pull Tension: | $25 \mathrm{lbs}(11 \mathrm{~kg})$ |
| :--- | :--- |
| Bulk Cable Weight: | $25 \mathrm{lbs} / 1000 \mathrm{ft}$ |

## Standards and Compliance

| Environmental Suitability: | Outdoor, Outdoor, Sunlight Resistance, Aerial - When supported by messenger wire |
| :---: | :---: |
| Sustainability: | Product Lens ${ }^{\text {TM }}$, Environmental Product Declaration (EPD) Available |
| ICEA Compliance: | S-116-732, S-56-434, S-99-689, S-100-685 |
| IEEE Compliance: | IEEE 802.3bt Type 1, Type 2, Type 3 |
| NEMA Compliance: | ANSI/NEMA WC-66 |
| Data Category: | Category 6 |
| TIA/EIA Compliance: | ANSI/TIA-568.2-D Category 6 |
| ISO/IEC Compliance: | ISO/IEC 11801-1, IEC 61156-5 |
| CENELEC Compliance: | Segregation class according EN50174-2 = a |
| European Directive Compliance: | EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE), REACH: 2020-01-16 |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

Product Notes

| Notes: | Electrical values are expected performance based on cable testing and representative performance within a typical Belden system. Print Includes Descending Footage/Meter Markings from <br> Max. Put-Up Length to 0. Suitable for Use in Buildings in Wet Locations. Not Suitable for Direct Burial. Fully Water Blocked and Sunlight Resistant (Black Jacket Only). Belden recommends <br> using an entrance demarcation point when transitioning inside buildings with gel-filled OSPP cables due to the cable design containing gel specific for wet outdoor environments. The <br> suggested transition point is the REVConnect core coupler, part number RVACPKUBK-S1. |
| :--- | :--- |
| History |  |
| Update and <br> Revision: | Revision Number: 0.527 Revision Date: 12-12-2023 |

Part Numbers
Variants

| Item \# | Color | Putup Type | Length | UPC |
| :---: | :---: | :--- | :---: | :---: |
| OSP6U 0101000 | Black | Reel | 1,000 ft 612825295235 |  |

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