

# CAT6 305M UTP JELLY FILLED OUTDOOR SOLID NETWORK CABLE

PART NUMBER: [C6JEUTSL305](#)



## AVAILABLE COLOURS



## PRODUCT DESCRIPTION

Serveredge CAT6 305m UTP Jelly Filled Outdoor Solid Network Cable can be used to connect a variety of devices in a high-speed network. The cable is twisted in pairs, separated by an integrated pair divider protected by a polyethylene jacket and filled with jelly. It's packaged on a wooden reel with sequential measurement markings on the jacket. The cable is made from the highest quality copper to maximize performance and minimize Near-End Crosstalk (NEXT).

## STANDARDS COMPLIANCE

- ISO/IEC 11801 Ed. 2.2 (Class E)
- IEC 61156-5:2009 (Category 6)
- ANSI/TIA-568-C.2 (Category 6)
- Supports up to 1000BASE-T applications

## PRODUCT FEATURES

- Sequential measurement markings on jacket
- Packaged on a wooden
- Supports all applications designed to operate over Category 6 or lower rated systems
- Suitable for direct underground burial
- Black UV-stabilised outer jacket for Sun protection
- Jelly filled to protect from moisture
- 25 Year Warranty\*

## GUARANTEE/WARRANTY

Serveredge products are manufactured at the highest standards using highest quality materials at an affordable price. If the product is found to be defective it will be replaced free of charge. Serveredge CAT6 UTP cable comes with a 25-year Warranty for that extra piece of mind. Subject to Serveredge Terms and Conditions\*

## PRODUCT SPECIFICATION

|                                  |                                   |
|----------------------------------|-----------------------------------|
| <b>Sheath material:</b>          | Polyethylene                      |
| <b>Filling:</b>                  | Jelly Filled                      |
| <b>Wall thickness of sheath:</b> | 0.50mm                            |
| <b>Rip cord under sheath:</b>    | Yes                               |
| <b>Insulation material:</b>      | High-density polyethylene (HDPE)  |
| <b>Insulation thickness:</b>     | 0.23mm                            |
| <b>Conductor material:</b>       | Soft annealed bare copper wire    |
| <b>Cable construction:</b>       | 4 twisted pairs stranded together |
| <b>Cable colours:</b>            | Black                             |
| <b>Twisted pair lay length:</b>  | ≤30mm                             |

## ELECTRICAL PERFORMANCE AT 20°C

### LOW FREQUENCY AND D.C

| Item                            | Parameter                     |
|---------------------------------|-------------------------------|
| Conductor resistance            | ≤9.38Ω/100m                   |
| Insulation resistance           | ≥5000MΩ (DC500V Charged 1min) |
| Voltage endurance               | DC 1500V/min                  |
| Mutual capacitance              | ≤5.6nF/100m                   |
| Core-core resistance unbalanced | ≤5%                           |

### HIGH FREQUENCY PERFORMANCE

| Freq      | Attenuation ≤ dB/100m | RL ≥ dB/100m | Next ≥DB/100m | PS - Next ≥dB/100m | ACRF ≥dB/100m | PSACRF ≥dB>100m | Remark                    |
|-----------|-----------------------|--------------|---------------|--------------------|---------------|-----------------|---------------------------|
| 1 MHz     | 2                     | 20           | 74.3          | 72.3               | 67.8          | 64.8            | FLUKETIA<br>CAT6Perm.Lin. |
| 4 MHz     | 3.8                   | 23           | 65.3          | 63.3               | 55.8          | 52.8            |                           |
| 10 MHz    | 6                     | 25           | 59.3          | 57.3               | 47.8          | 44.8            |                           |
| 16 MHz    | 7.6                   | 25           | 56.2          | 54.2               | 43.7          | 40.7            |                           |
| 20 MHz    | 8.5                   | 25           | 54.8          | 52.8               | 41.8          | 38.8            |                           |
| 31.25 MHz | 10.7                  | 23.5         | 51.9          | 49.9               | 37.9          | 34.9            |                           |
| 62.5 MHz  | 15.4                  | 21.5         | 47.4          | 45.4               | 31.9          | 28.9            |                           |
| 100 MHz   | 19.8                  | 20           | 44.3          | 42.3               | 27.8          | 24.8            |                           |
| 250 MHz   | 32.8                  | 17.3         | 38.3          | 36.3               | 19.8          | 16.8            |                           |

## ORDERING INFORMATION

| ORDER CODE   | DESCRIPTION   |
|--------------|---|
| C6UTSL305-BK | Serveredge CAT6 305m Network Cable - UTP, Solid, PVC, 23AWG - BLACK |