

# Essential-6 Cable

ESSENTIAL-6 U/UTP AWG23 CAT 6 LSZH GB 31247 B1 (D0,T0,A1) DARK GREY 305M/REEL

**Aginode Ref:** N100.170-GB1-D

- Compliant with all Category 6 cable standards
- Supports Class E applications
- Central cross member maintains geometry and performance
- 23AWG conductor size
- GB 31247 B1 (d0,t0,a1) compliance

## Application

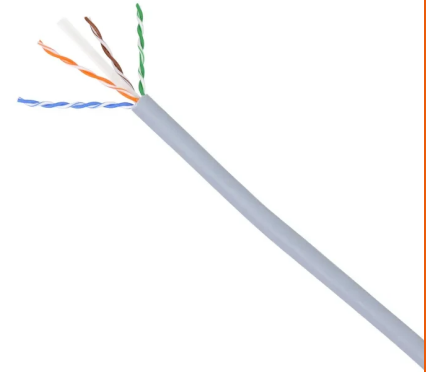
The Aginode Essential-6 cables are manufactured and tested to the latest Category 6 specifications. They are compatible with the complete Essential-6 modular and PCB connectivity range. When the cable is installed in conjunction with Essential-6 outlets and patch panels, a 25 year Class E Link Certificate can be obtained from the Aginode website.

## Performance

Aginode Essential-6 cables are compliant with the requirements of the International, European and American cable standards, including ISO/IEC 11801, IEC 61156-5, EN 50173, EN 50288 and TIA/EIA 568-C.2.

## Installation

To support the correct set-up of hand held analysers for installation testing, the actual cable NVP value is given in the cable's print legend.



## STANDARDS

ANSI/TIA-568-C.2  
EN 50173-1  
EN 50288  
GB 31247  
IEC 61156-5  
ISO/IEC 11801-1

# Essential-6 U/UTP AWG23 CAT 6 LSZH GB 31247 B1 (d0,t0,a1) Dark Grey 305M/Reel

## Eigenschaften

### Konstruktionsmerkmale

|             |           |
|-------------|-----------|
| Farbe       | Dark Grey |
| Außenmantel | LSZH      |
| Kabeltype   | UTP       |

### Abmessungsmerkmale

|                             |        |
|-----------------------------|--------|
| Abmessung (AWG)             | 23     |
| Durchmesser über Isolierung | 1.0 mm |
| Außendurchmesser, nom.      | 6.2 mm |

### Elektrische Eigenschaften

|  |          |
|--|----------|
| Betriebskapazität                                    | 56 nF/km |
| Wellenwiderstand                                     | 100 Ohm  |
| Max. DC resistance of the conductor at 20°C (Ohm/km) | 93.8     |

### Mechanische Eigenschaften

|                       |       |
|-----------------------|-------|
| Max. Betriebszugkraft | 100 N |
|-----------------------|-------|

### Übertragungseigenschaften

|                              |             |
|------------------------------|-------------|
| Laufzeitdifferenz            | 45 ns/100m  |
| Phasenlaufzeit, max. 100 MHz | 536 ns/100m |

### Anwendungsmerkmale

|   |                       |
|---|-----------------------|
| Bereich   | essential             |
| Einsatzbereich  | Innenraum             |
| Länge   | 305 m                 |
| Betriebstemperatur  | -20...60 °C           |
| Kategorie   | Cat. 6                |
| Flammwidrig   | GB31247 B1 (d0.t0.a1) |
| Rauchdichte   | IEC 61034-2           |
| Verpackung  | Spule                 |
| Umgebungstemperatur bei Verlegung, Bereich                        | 0...50 °C             |
| Minimaler Biegeradius - Während der Installation (unter Spannung) | 50 mm                 |

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Aginode is indicative only and shall not be binding on Aginode or be treated as constituting a representation on the part of Aginode.

