

# 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

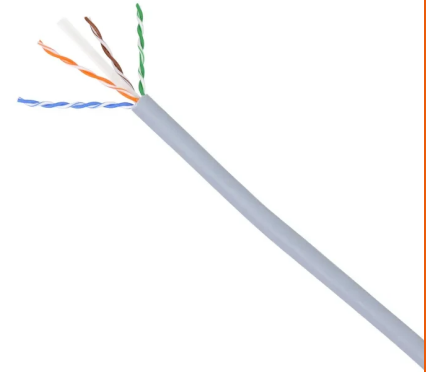
The Aginode Essential-6 cables are manufactured and tested to the latest Category 6 specifications. They are compatible with the complete Essential-6 modular and PCB connectivity range. When the cable is installed in conjunction with Essential-6 outlets and patch panels, a 25 year Class E Link Certificate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

## Caractéristiques

### Caractéristiques de construction

Couleur	Dark Grey
Gaine extérieure	Faible dégagement de fumée et sans halogène
Type de câble	UTP

### Caractéristiques dimensionnelles

Section AWG du conducteur	AWG 23
Diamètre sur isolation	1.0 mm
Diamètre externe nominal (mm)	6.2 mm

### Caractéristiques électriques

Capacité effective	56 nF/km
Impédance caractéristique	100 Ohm
Résistance max. du conducteur CC à 20°C (Ohm/km)	93.8

### Caractéristiques mécaniques

Maximum operating pulling force	100 N
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### Caractéristiques de transmission

Distorsion	45 ns/100m
Retard de propagation maximal à 100 MHz	536 ns/100m

### Caractéristiques d'utilisation

Gamme	essential
Application	Intérieur
Longueur	305 m
Température ambiante d'utilisation, plage	-20...60 °C
Catégorie	Cat. 6
Non propageateur de la flamme	GB31247 B1 (d0.t0.a1)
Densité de fumée dégagée	IEC 61034-2
Conditionnement	Touret
Température ambiante lors de l'installation, plage	0...50 °C
Minimum Bend Radius - During Installation (under Tension)	50 mm
Rayon de courbure minimum - installé	25 mm

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