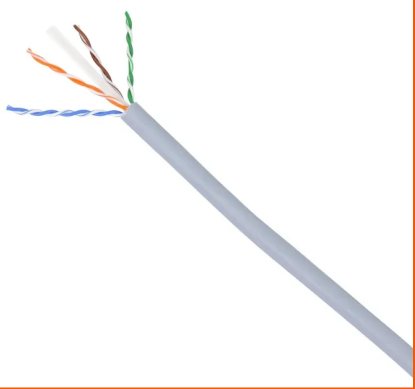
Essential-6 Cable

ESSENTIAL-6 U/UTP CAT 6 PVC 23AWG 305M REEL IN BOX

Aginode Ref: N100.170-GB1-D

- Unshielded construction
- Complies to latest Category 6 standards
- Central cross maintains geometry and performance
- Supports Class E applications up to 250 MHz.



STANDARDS

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

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.

Values given for 2-connector channel, built with Essential-6 cable, outlet and patch panel. (Values specified at 20°C)

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.

Essential-6 U/UTP Cat 6 PVC 23AWG 305m reel in box

Characteristics

Construction characteristics	
Colour	Grey
Outer sheath	LSZH
Type of cable	U/UTP
Dimensional characteristics	
Conductor cross-section (AWG/KCMIL)	23
Diameter over insulation	1.0 mm
Nominal outer diameter (mm)	6.2 mm
Electrical characteristics	
Mutual capacitance	56 nF/km
Characteristic impedance	100 Ohm
Max. DC resistance of the conductor at 20°C (Ohm/km)	93.8
Mechanical characteristics	
Maximum operating pulling force	100 N
Transmission characteristics	
Skew	45 ns/100m
Attenuation Crosstalk Ratio, 250MHz	5.5 dB/100m
Nominal Velocity of Propagation (NVP)	69 %
Propagation delay, max. 100 MHz	536 ns/100m
Usage characteristics	
Range	essential-6
Field of application	Indoor
Length	305 m
Operating temperature, range	-20...60 °C
Category	Cat. 6
Flame retardant	GB31247 B1 (d0.t0.a1)
Smoke density	IEC 61034-2
Packaging	Drum

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.

Ambient installation temperature, range	-10...60 °C
Minimum Bend Radius - During Installation (under Tension)	50 mm
Minimum Bend Radius - Installed	25 mm

ドキュメンテーション

Freetable Ess6 channel.xls xls — 14 KB　ダウンロード

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.