Essential-6 Cable

ESSENTIAL-6 U/UTP CAT 6 PVC 24AWG 305M REELEX BOX



Aginode Ref: N100.166

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

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)

STANDARDS

ANSI/TIA-568-C.2
IEC 60332-1
ISO/IEC 11801-1

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 24AWG 305m reelex box

Characteristics

Construction characteristics	
Outer sheath	PVC
Type of cable	U/UTP
Colour	Light grey
Dimensional characteristics	
Conductor cross-section (AWG/KCMIL)	24
Nominal outer diameter (mm)	5.4 mm
Diameter over insulation	0.92 mm
Electrical characteristics	
Max. DC resistance of the conductor at 20°C (Ohm/km)	93.8
Mutual capacitance	56 nF/km
Characteristic impedance	100 Ohm
Mechanical characteristics	
Maximum operating pulling force	100 N
Transmission characteristics	
Propagation delay, max. 100 MHz	536 ns/100m
Skew	45 ns/100m
Usage characteristics	
Packaging	Box 305 m
Field of application	Indoor
Operating temperature, range	-20...60 °C
Minimum Bend Radius - During Installation (under Tension)	44 mm
Minimum Bend Radius - Installed	22 mm
Smoke density	No
Ambient installation temperature, range	-10...60 °C
Category	Cat. 6
Range	essential-6
Length	305 m

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Flame retardant	IEC 60332-1

Documentation

Freetable Ess6 channel.xls xls — 14 KB Download

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