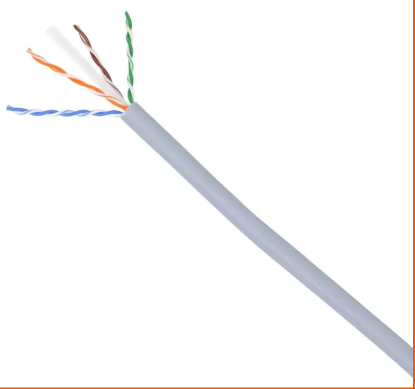
Essential-6 Cable

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.

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Eigenschaften

Konstruktionsmerkmale	
Farbe	grau
Außenmantel	LSZH
Kabeltype	U/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
Nebensprechdämpfung, 250 MHz	5.5 dB/100m
Ausbreitungsgeschwingigkeit	69 %
Phasenlaufzeit, max. 100 MHz	536 ns/100m
Anwendungsmerkmale	
Bereich	essential-6
Einsatzbereich	Innenraum
Länge	305 m
Betriebstemperatur	-20...60 °C
Kategorie	Cat. 6
Flammwidrig	GB31247 B1 (d0.t0.a1)
Rauchdichte	IEC 61034-2
Verpackung	Spule

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Umgebungstemperatur bei Verlegung, Bereich	-10...60 °C
Minimaler Biegeradius - Während der Installation (unter Spannung)	50 mm
Minimaler Biegerradius - Installiert	25 mm

Dokumentation

Freetable Ess6 channel.xls xls — 14 KB Herunterladen

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