

Essential-6 Cable

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

Aginode Ref: N100.170

- 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
EN 50288
IEC 61156-5
ISO/IEC 11801-1

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Eigenschaften

Konstruktionsmerkmale

Farbe	Orange
Außenmantel	LSZH
Kabeltype	U/UTP

Abmessungsmerkmale

Abmessung (AWG)	23
Durchmesser über Isolierung	1.0 mm
Außendurchmesser, nom.	6.1 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
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Übertragungseigenschaften

Laufzeitdifferenz	45 ns/100m
Nebensprechdämpfung, 250 MHz	5.5 dB/100m
Ausbreitungsgeschwindigkeit	69 %
Phasenlaufzeit, max. 100 MHz	536 ns/100m

Anwendungsmerkmale

Bereich	essential-6
Einsatzbereich	Indoor
Länge	305 m
Betriebstemperatur	-20...60 °C
Kategorie	Cat. 6
Flammwidrig	IEC 60332-1
Rauchdichte	IEC 61034
Verpackung	Reel in a box

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Umgebungstemperatur bei Verlegung, Bereich	-10...60 °C
Minimaler Biegeradius - Während der Installation (unter Spannung)	49 mm
Minimaler Biegerradius - Installiert	25 mm

Dokumentation

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