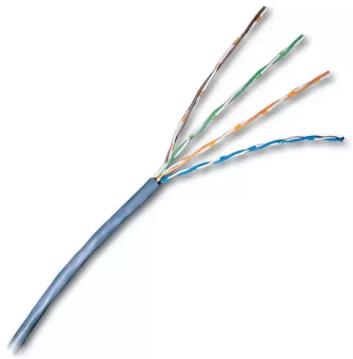
# Essential-5 Cable

**ESSENTIAL U/UTP CAT 5E 24AWG LSZH BOX 305M**

**Aginode Ref:** N100.551

- Unshielded construction
- Complies to latest Cat 5E standards
- Supports Gigabit Ethernet
- Guaranteed performance to 100MHz



## STANDARDS

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

## Application

Essential-5 cables are the standard 100MHz offering from Aginode. Manufactured and tested to the latest Category 5e specifications defined in the International and American cable standards, they are suitable for voice and data installations for applications up to 100 MHz.

## Design

The Essential-5 cables have AWG 24 solid copper wires and comply with IEC 60228.
The cables are available with a Light Grey PVC or an Orange LSZH sheath. Both versions have flame retardant properties compliant with IEC 60332-1.

## Performance

Aginode Essential-5 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.

General Installation Guide

*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 U/UTP Cat 5e 24AWG LSZH BOX 305M

## Eigenschaften

| | |
|---|---|
| **Konstruktionsmerkmale** | |
| Farbe | Orange |
| Schirm | Unshielded |
| Außenmantel | LSZH |
| Kabeltype | U/UTP |
| **Abmessungsmerkmale** | |
| Nettogewicht ca. | 30 kg/km |
| Leiterdurchmesser | 0.5 mm |
| Durchmesser über Isolierung | 0.9 mm |
| Außendurchmesser, nom. | 4.9 mm |
| **Elektrische Eigenschaften** | |
| Wellenwiderstand | 100 Ohm |
| **Mechanische Eigenschaften** | |
| Maximale Zugkraft bei Verlegung | 0.08 kN |
| **Übertragungseigenschaften** | |
| Ausbreitungsgeschwingigkeit | 69 % |
| Phasenlaufzeit, max. 100 MHz | 536 ns/100m |
| **Anwendungsmerkmale** | |
| Elektromagnetisch geschirmt | No |
| Bereich | essential |
| Länge | 305 m |
| Betriebstemperatur | -20...60 °C |
| Kategorie | Cat. 5e |
| Brandlast ca. [kJ/m] | 400 MJ/km |
| Flammwidrig | IEC 60332-1 |
| Komponentenfunktion | Cable |
| Verpackung | Box |
| Umgebungstemperatur bei Verlegung, Bereich | 0...50 °C |

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| | |
|---|---|
| Minimaler Biegeradius - Während der Installation (unter Spannung) | 40 mm |
| Minimaler Biegerradius - Installiert | 20 mm |

## Dokumentation

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