Essential-5 Cable

ESSENTIAL F/UTP CAT5E 24AWG LSZH REEL IN BOX 305M



Aginode Ref: N100.455

- F/UTP single foil 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.

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Eigenschaften

Konstruktionsmerkmale	
Farbe	Orange
Schirm	Aluminiumfolie
Außenmantel	LSZH
Kabeltype	F/UTP
Abmessungsmerkmale	
Nettogewicht ca.	40 kg/km
Leiterdurchmesser	0.5 mm
Durchmesser über Isolierung	1.04 mm
Außendurchmesser, nom.	6.3 mm
Elektrische Eigenschaften	
Wellenwiderstand	100 Ohm
Mechanische Eigenschaften	
Maximale Zugkraft bei Verlegung	0.1 kN
Übertragungseigenschaften	
Laufzeitdifferenz	45 ns/100m
Ausbreitungsgeschwingigkeit	68 %
Phasenlaufzeit, max. 100 MHz	534 ns/100m
Anwendungsmerkmale	
Elektromagnetisch geschirmt	Yes
Bereich	essential
Länge	305 m
Betriebstemperatur	-20...60 °C
Kategorie	Cat. 5e
Brandlast ca. [kJ/m]	460 MJ/km
Flammwidrig	IEC 60332-1
Komponentenfunktion	Cable
Verpackung	Box

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Umgebungstemperatur bei Verlegung, Bereich	0...50 °C
Minimaler Biegeradius - Während der Installation (unter Spannung)	48 mm
Minimaler Biegerradius - Installiert	30 mm

Dokumentation

freetableEssCat5ecable_5_2.xls xls — 17.5 KB Herunterladen

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