Essential-5 Cable

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



Aginode Ref: N100.451

- 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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Characteristics

구조적 특성	
색상	주황색
스크린	알루미늄 호일
피복	저연 할로겐 프리
Type of cable	F/UTP
치수	
무게(근사치)	42 kg/km
도체지름	0.5 mm
Diameter over insulation	1.06 mm
Nominal outer diameter (mm)	5.9 mm
전기적 특성	
Characteristic impedance	100 Ohm
기계적 특성	
Maximum pulling force by laying	0.1 kN
Transmission characteristics	
Nominal Velocity of Propagation (NVP)	73 %
Propagation delay, max. 100 MHz	536 ns/100m
사용 특성	
Electro magnetic interference resistance	Yes
Range	essential
Length	305 m
操作温度范围	-20...60 °C
Category	Cat. 5e
Fire load	460 MJ/km
난연	IEC 60332-1
Component function	Cable
Packaging	Box
Ambient installation temperature, range	0...50 °C

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최소 굽힘 반지름 - 설치시 (장력작용)	48 mm
최소 굽힘 반지름 - 설치 후	24 mm

문서

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