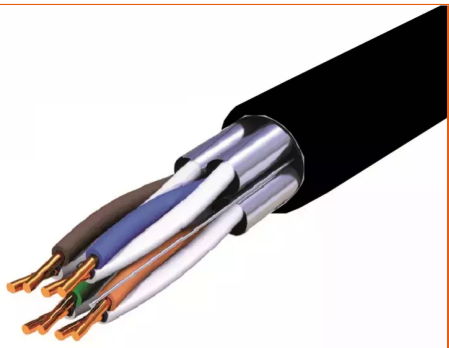
IN AND OUT IP Cable

AGINODE CAT6A U/FTP 4P IN/OUT ECA 500M



Aginode Ref: 13200561
EAN: 3760400091851

Benefits

- Excellent performance : Cable compliant with IEC 61156-5 CAT6A (channel 100m)
- System : compliant with EA class according to ISO/IEC 11801 & EN 50173 performances
- Time saving solution: universal installation in&out thanks to his specific LSZH jacket
- Security : flame retardant IEC 60332-1 and Eca level according to EN50575:2014+A1:2016 and IEC 60332-1
- Ccompatible with RJ45 CAT6A connector thanks to his awg23 gauge
- Immunity : PIMF construction for better EMC performance
- Compatible POE, POE+ and POE++
- Environmental : RoHS EC Directive and European Reach compliant

STANDARDS

EN 50173
EN 50288
EN 50575
IEC 61156-6
ISO/IEC 11801

Application

- suitable to connect all IP equipment : indoor and outdoor
- perfect cable for link configuration such as MPTL
- the special jacket guarantee a very good UV and humidity resistance and also a LSZH compliance

The AWG23 wire diameter authorize direct connection with RJ45 connector and field plug to make the installation quicker and easier.

Manufactured in accordance with IEC 61156-5 transmission requirements, the U/FTP cable is the best choice to support 10Gigabit Ethernet in channel configurations and MPTL link. Thanks to his special jacket this is the perfect solution for smart city and smart building applications such as video security applications, outdoor and indoor wifi access point, IP dynamic screen, urban automation systems etc.

Construction

- conductor : solid bare copper
- insulation : polyethylen (EN 50290-2-23) - two insulated conductors twisted to a pair
- screen : Alu/PET on each pair, alu outside - 4/2 laid up together
- outer jacket : In&Out Eca (EN50575)

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.

Environment

Designed to reduce the environment impact, Aginode cables are compliant with RoHS 2011/65 Directive and European Reach 1907/2006/EC regulation. The outer sheath of the cable is made of halogen free material (IEC 60754-1 / EN 50267-2-1), with limited smoke emissions (IEC 61034-1/2 / EN 50268-1/2) and no acide gaz emissions in case of fire (IEC 60754-2 / EN 50267-2-2).

Aginode measure the environmental impact of each cable. Upon request, PEP Ecopassport or the Eco Material Declaration could be available

Related product

Part Number	Description	Packaging
N420.66A	LANmark-6A Evo Snap-in Connector Category 6A Screened	24 in individual polybag
N420.66A-ECO24	LANmark-6A Evo Snap-in Connector Category 6A Screened ECO	24 in 0 plastic "eco-friendly" packing
N420.66A-BULK100	LANmark-6A Evo snap-in connector Category 6A screened BULK	Bulk 100 in polybag
N10G.CONSS	LANmark-10G Snap-in connector Category 6A Screened	24 in individual polybag
N490.001	LANmark-6A Field Terminable Plug Category 6A Screened	24 in individual polybag

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AGINODE CAT6A U/FTP 4P In/Out Eca 500m

Characteristics

Construction characteristics	
Outer sheath	In & out
Sheath colour	Black
Halogen free	Yes
Higher heating value	493 MJ/km
Type of cable	U/FTP
Shielding	80% tinned copper braid coverage
Individual screen	Aluminium / Polyester tape
Overall screen	Tinned copper braid
Dimensional characteristics	
Approximate weight	49 kg/km
Number of pairs	4
Conductor cross-section (AWG/KCMIL)	23
Diameter over insulation	1.32 mm
Nominal outer diameter (mm)	7.0 mm
External dimensions	Not applicable
Electrical characteristics	
Max. DC resistance of the conductor at 20°C	75 Ohm/km
Characteristic impedance at 100 MHz	100 Ohm
Mechanical characteristics	
Maximum installation tension	80 N
Transmission characteristics	
Nominal Velocity of Propagation (NVP)	0.82 %
Coupling attenuation at 30 MHz	>70 dB
Typical maximum time delay	450 ns/100m
Typical maximum delay skew for conductor	536 ns/100m
Typical maximum delay skew for pair	540 ns/100m
Usage characteristics	

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Field of application	Indoor, Outdoor
Weather resistance	Excellent
Flame retardant	IEC 60332-1
Smoke density	Low
Packaging	Drum 500 m
Ambient installation temperature, range	-25...50 °C
Bending factor when laying	8 (xD)
Bending factor when installed	4 (xD)
Ambient static operating temperature, range	-40...75 °C

Declaration of Performance

DECLARATION PERFORMANCE 13200561 pdf — 65.81 KB Download

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