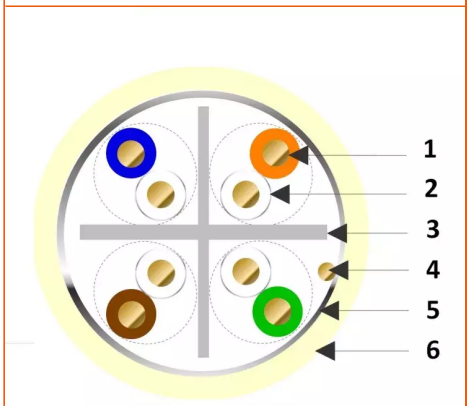
Cat.6 450 F/UTP LSZH Dca

AGINODE C6 450 F/UTP LSZH DCA 4P 500M IVOIRY



Aginode Ref: 10269942
EAN: 3427630103593

- Complies to latest Cat 6 standard version
- Supports Class E applications
- Cable tested up to 450 MHz
- Flame retardant according to EN50575:2014+A1:2016 and IEC 60332-1
- Global screen for EMC performance
- Compatible POE, POE+ and UPOE
- RoHS EC Directive compliant
- Compliant with European Reach regulation
- N'Roll and MOBIWAY™ compatible



Application

F/UTP Category 6 cables are the standard offering from Aginode. Manufactured in accordance with ISO IEC 61156-5 requirements, the F/UTP cable is the best choice to support all Class E applications like Ethernet, Fast Ethernet, Gigabit Ethernet, ··· Cat 6 F/UTP cables are suitable for basic voice and data installations up to 250 MHz. Aginode Cat.6 cables, combined with a similar class of performance connectivity, are suitable for voice and data installations according to ISO/IEC 11801, EN 50173 and TIA/EIA 568 standards.

Construction

1. Conductor: solid bare copper
2. Insulation : Polyethylen (EN 50290-2-23) - Two insulated conductors twisted to a pair
3. Cross filler - 4/2 laid up together
4. Tinned copper drain wire
5. Screen: ALU/PET foil - Alu inside
6. Outer Jacket : LSZH - Dca

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 sheat of the cabel is made of halogen free material (IEC 60754-1 / EN 50267-2-1),

STANDARDS

EN 50173
EN 50288
EN 50575
IEC 60332-1
IEC 61156-5
ISO/IEC 11801

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whith limited fumes emission (IEC 61034-1/2 / EN 50268-1/2) and no acid gaz emission in case of fire (IEC 60754-2 / EN 50267-2-2).
Aginode measure the environmental impact of each of the cable. Upon request the PEP Ecopassport or the Eco Material Declaration could be available.

Cat 6 450 F-UTP TRANSMISSION CHARACTERISTICS

CAT.6 450 F/UTP TRANSMISSION CHARACTERISTICS
Values at 20°C

Frequency (MHz)	S/T	4	10	16	20	100	200	250	350	450
Attenuation max. (dB/100m)	Standard	3.8	6.0	7.6	8.5	19.9	29.1	33.0	-	-
	Typical	3.6	5.5	6.9	7.7	17.6	25.4	28.6	34.4	39.5
NEXT min. (dB)	Standard	66.3	60.3	57.2	55.8	45.3	40.8	39.3	-	-
	Typical	80.5	72.7	68.8	66.9	53.3	47.4	45.5	42.7	40.5
PSNEXT min. (dB)	Standard	63.3	57.3	54.2	52.8	42.3	37.8	36.3	-	-
	Typical	77.5	69.7	65.8	63.9	50.3	44.4	42.5	39.7	37.5
ACRF min. (dB)	Standard	56.0	48.0	43.9	42.0	28.0	22.0	20.0	-	-
	Typical	85.5	76.3	71.5	69.3	53.1	46.1	43.9	40.5	38.0
PSACRF min. (dB)	Standard	53.0	45.0	40.9	39.0	25.0	19.0	17.0	-	-
	Typical	82.5	73.3	68.5	66.3	50.1	43.1	40.9	37.5	35.0
Return Loss min. (dB)	Standard	23.0	25.0	25.0	25.0	20.1	18.0	17.3	-	-
	Typical	27.0	29.0	29.0	29.0	24.5	22.5	21.9	20.9	20.2

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Eigenschaften

Konstruktionsmerkmale	
Außenmantel	LSZH
Mantelfarbe	Ivory
Halogenfrei	Ja
Higher heating value	821 MJ/km
Kabeltype	F/UTP
Gemeinsamer Schirm	Aluminium/polyester tape
Abmessungsmerkmale	
Nettogewicht ca.	49 kg/km
Anzahl Paare	4
Abmessung (AWG)	24
Durchmesser über Isolierung	1.13 mm
Außendurchmesser, nom.	7.1 mm
Außenabmessungen	Not applicable
Elektrische Eigenschaften	
Betriebskapazität	50 nF/km
Max. Gleichstromwiderstand des Leiters bei 20° C	95 Ohm/km
Characteristic impedance at 100 MHz	100 Ohm
Mechanische Eigenschaften	
Maximale Zugspannung bei Installation	80 N
Übertragungseigenschaften	
Ausbreitungsgeschwingigkeit	70 %
Kopplungsdämpfung bei 30 MHz	>50dB
Anwendungsmerkmale	
Einsatzbereich	Fixed installations
Kategorie	Cat. 6
Flammwidrig	IEC 60332-1
Rauchdichte	Ja

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Verpackung	Trommel 500m
Umgebungstemperatur bei Verlegung, Bereich	0...50 °C
Biegefaktor bei Verlegung	8 (xD)
Biegefaktor nach Verlegung	4 (xD)
Temperaturbereich bei fester Verlegung	-20...70 °C

Erklärung zur Leistung

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