Cat.6 450 F/UTP LSZH Dca

- 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

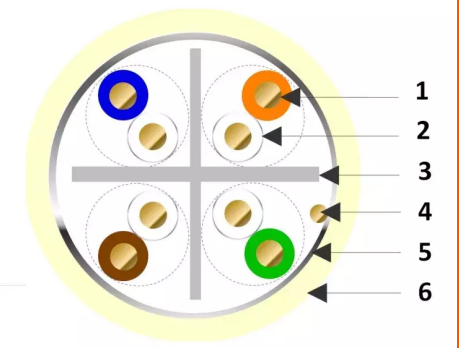


Application

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), 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).

STANDARDS

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

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.

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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Cat.6 450 F/UTP LSZH Dca

CHARACTERISTICS

Construction characteristics	
Outer sheath	LSZH
Sheath colour	Ivory
Dimensional characteristics	
Number of pairs	4
Usage characteristics	
Flame retardant	IEC 60332-1
Packaging	Coil 100 m

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Product list

	Aginode ref.	Country ref.	Name	Sheath colour	Number of pairs	Packaging
	10269868	-	AGINODE C6 450 F/UTP LSZH Dca 4P 100m IVOIRY	Ivory	4	Coil 100 m
	10269942	-	AGINODE C6 450 F/UTP LSZH Dca 4P 500m IVOIRY	Ivory	4	Drum 500 m
	10269943	-	AGINODE C6 450 F/UTP LSZH Dca 2x4P 500m IVOIRY	Ivory	8	Drum 500 m
	10272115	-	AGINODE C6 450 F/UTP LSZH Dca 4P 1000m IVOIRY	Ivory	4	Drum 1000 m
	10272113	-	NEX C6 450 F/UTP LSZH Dca 4P 305 RIB IVOIRY	Ivory	4	Reel in a box
	10272125	-	AGINODE C6 450 F/UTP LSZH Dca 4P 200m RCH IVOIRY	Ivory	4	N'Roll 200 m

= Make to order, = In Stock

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