

# 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

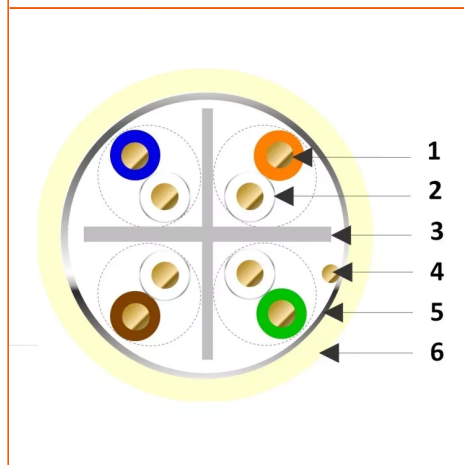
F/UTP Category 6 cables are the standard offering from Aginode. Manufactured in accordance with ISO IEC 61156-5 requirements, the F/UTP cable is the best choice to support all Class E applications like Ethernet, Fast Ethernet, Gigabit Ethernet, ... Cat 6 F/UTP cables are suitable for basic voice and 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 sheath of the cable is made of halogen free material (IEC 60754-1 / EN 50267-2-1), with limited fumes emission (IEC 61034-1/2 / EN 50268-1/2) and no acid gas 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

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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. | 名前   | 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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