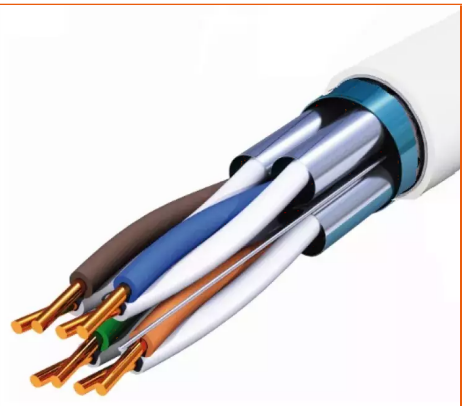
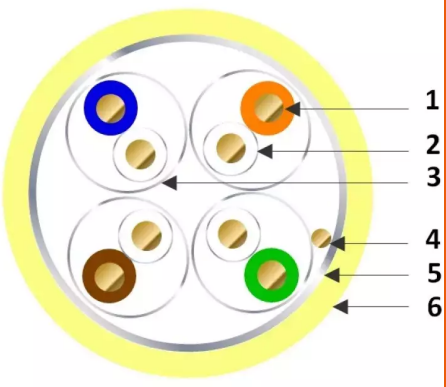
# Cat.6A 550 F/FTP LSZH Dca

- Complies to latest Cat 6A standard version
- Supports Class EA applications
- Cable tested up to 550 MHz
- Flame retardant according to EN50575:2014+A1:2016 and IEC 60332-1
- Individual foiled pairs with global screen for EMC performance
- Compatible POE, POE+ and UPOE
- RoHS EC Directive compliant
- Compliant with European Reach regulation






## STANDARDS

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

### Application

F/FTP Category 6A cables are the high end offering from Aginode. Manufactured in accordance with ISO IEC 61156-5 requirements, the F/FTP cable is the best choice to support all Class EA applications like Ethernet, Fast Ethernet, Gigabit Ethernet, 10 Gigabit Ethernet, ⋯ The Cat 6A F/FTP cables are suitable for voice, data, CATV and sharing application installations up to 500 MHz. Aginode Cat.6A 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. Screen: ALU/PET foil on each pair. Alu outside - 4/2 laid up together
4. Tinned copper drain wire
5. Screen: ALU/PET foil - Alu inside
6. Outer Jacket : LSZH (EN 50290-2-27)

### 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),

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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 6A 550 F-FTP TRANSMISSION CHARACTERISTICS

**CAT.6A 550 F/FTP TRANSMISSION CHARACTERISTICS**

Values at 20°C

| Frequency (MHz) | S/T | 4 | 16 | 20 | 31.25 | 62.5 | 100 | 155 | 200 | 240 | 250 | 350 | 500 | 550 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Attenuation max. (dB/100m) | Standard | 3.8 | 7.5 | 8.4 | 10.5 | 15.0 | 19.1 | 24.1 | 27.6 | 31.1 | 34.3 | 37.2 | 45.3 | - |
| | Typical | 3.6 | 7.2 | 8.0 | 10.0 | 14.2 | 18.1 | 22.7 | 25.8 | 29.0 | 31.9 | 34.6 | 41.8 | 43.9 |
| NEXT min. (dB) | Standard | 75.0 | 75.0 | 75.0 | 72.9 | 68.4 | 65.3 | 62.4 | 60.8 | 59.6 | 59.3 | 57.1 | 54.8 | - |
| | Typical | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 97.4 | 94.5 | 92.9 | 91.7 | 91.4 | 89.2 | 86.9 | 86.3 |
| PSNEXT min. (dB) | Standard | 75.0 | 74.2 | 72.8 | 69.9 | 65.4 | 62.3 | 59.4 | 57.8 | 56.6 | 56.3 | 54.1 | 51.8 | - |
| | Typical | 100.0 | 100.0 | 100.0 | 100.0 | 97.5 | 94.4 | 91.5 | 89.9 | 88.7 | 88.4 | 86.2 | 83.9 | 83.3 |
| ACRF min. (dB) | Standard | 66.0 | 53.9 | 52.0 | 48.1 | 42.1 | 38.0 | 34.2 | 32.0 | 30.4 | 30.0 | 27.1 | 24.0 | - |
| | Typical | 91.2 | 89.4 | 89.0 | 88.0 | 85.9 | 84.0 | 81.7 | 80.1 | 78.5 | 75.7 | 75.7 | 72.1 | 71.0 |
| PSACRF min. (dB) | Standard | 63.0 | 50.9 | 49.0 | 45.1 | 39.1 | 35.0 | 31.2 | 29.0 | 27.4 | 27.0 | 24.1 | 21.0 | - |
| | Typical | 88.2 | 86.4 | 86.0 | 85.0 | 82.9 | 81.0 | 78.7 | 77.1 | 75.8 | 75.5 | 72.7 | 69.1 | 68.0 |
| Return Loss min. (dB) | Standard | 23.0 | 25.0 | 25.0 | 23.6 | 21.5 | 20.1 | 18.8 | 18.0 | 17.4 | 17.3 | 17.3 | 17.3 | - |
| | Typical | 28.0 | 30.0 | 30.0 | 28.6 | 26.5 | 25.1 | 23.8 | 23.0 | 22.4 | 22.3 | 22.3 | 22.3 | 22.3 |

According to standard Cat.6A IEC61156-5, exept for NEXT & PSNEXT: from 4 to 500Mhz, performances + 20dB and for ACRF & PSACRF, performances + 10dB

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# Cat.6A 550 F/FTP LSZH Dca

## EIGENSCHAFTEN

| | |
|---|---|
| **Konstruktionsmerkmale** | |
| Außenmantel | LSZH |
| Mantelfarbe | Ivory |
| **Abmessungsmerkmale** | |
| Anzahl Paare | 4 |
| **Anwendungsmerkmale** | |
| Flammwidrig | IEC 60332-1 |
| Verpackung | Trommel 500m |

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# Product list

| | Aginode ref. | Country ref. | Name | Mantelfarbe | Anzahl Paare | Verpackung |
|---|---|---|---|---|---|---|
| | 10269867 | - | AGINODE C6A 550 F/FTP LSZH Dca 4P 500m IVOIRY | Ivory | 4 | Trommel 500m |
| | 10269946 | - | AGINODE C6A 550 F/FTP LSZH Dca 2X4P 500m IVOIRY | Ivory | 8 | Trommel 500m |
| | 10270261 | - | AGINODE C6A 550 F/FTP LSZH Dca 4P 100m IVOIRY | Ivory | 4 | 100 m Ring |
| | 10272068 | - | AGINODE C6A 550 F/FTP LSZH Dca 4P 1000m IVOIRY | Ivory | 4 | Trommel 1000m |

= Make to order, = In Stock

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