

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

Application

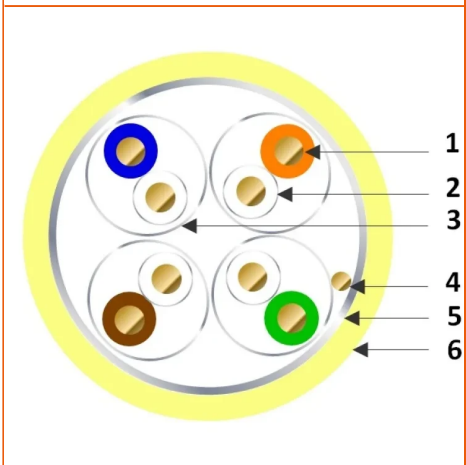
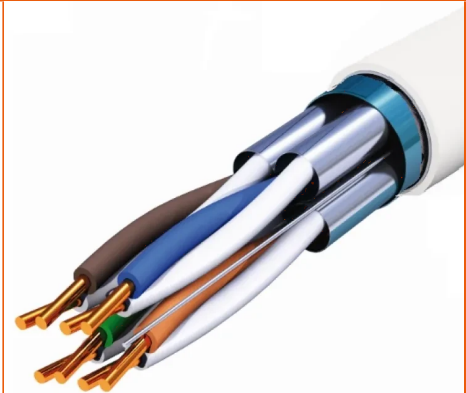
F/FTP Category 6A cables are the high end offering from Aginode. Manufactured in accordance with ISO IEC 61156-5 requirements, the F/FTP cable is the best choice to support all Class EA applications like Ethernet, Fast Ethernet, Gigabit Ethernet, 10 Gigabit Ethernet, ... The Cat 6A F/FTP cables are suitable 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),



STANDARDS

- EN 50173
- EN 50288
- 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.

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).

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, except for NEXT & PSNEXT: from 4 to 500Mhz, performances + 20dB and for ACRF & PSACRF, performances + 10dB

Cat.6A 550 F/FTP 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 | Drum 500 m |
|-----------|------------|

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.

Product list

| Aginode ref. | Country ref. | 名前 | Sheath colour | Number of pairs | Packaging |
|---|--------------|---|---------------|-----------------|-------------|
|  10269867 | - | AGINODE C6A 550 F/FTP LSZH Dca 4P 500m IVOIRY | Ivory | 4 | Drum 500 m |
|  10269946 | - | AGINODE C6A 550 F/FTP LSZH Dca 2X4P 500m IVOIRY | Ivory | 8 | Drum 500 m |
|  10270261 | - | AGINODE C6A 550 F/FTP LSZH Dca 4P 100m IVOIRY | Ivory | 4 | Coil 100 m |
|  10272068 | - | AGINODE C6A 550 F/FTP LSZH Dca 4P 1000m IVOIRY | Ivory | 4 | Drum 1000 m |

 = Make to order,  = In Stock

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.