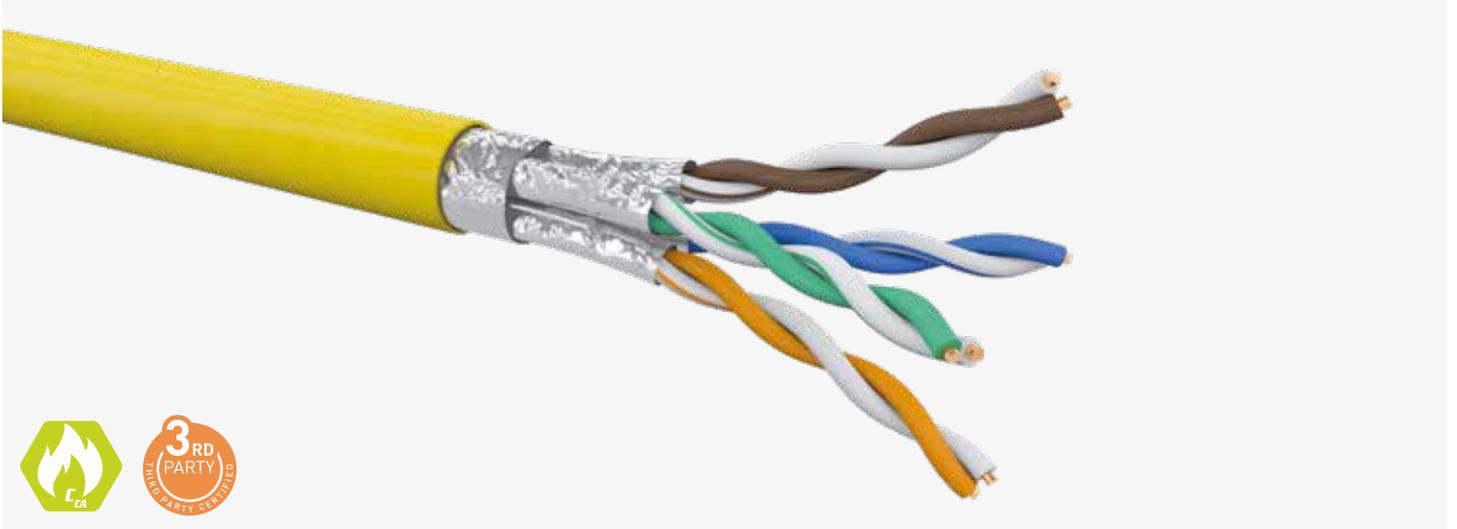




CAT6A F/FTP LSZH-FR Cca 550 MHz CABLE

GGM C6AFF4PFRxx



APPLICATIONS

- ▶ IEEE802.3: 10GBase-T, 5GBase-T, 2.5GBase-T, 1000Base-T, 100Base-Tx, 10Base-T
- ▶ IEEE 802.3af/at/bt (PoE/PoE+/4PPoE)

This series of cables meets and exceeds the requirement of Augmented category 6 (CAT6A) and ISO 11801 or EN 50173 Class EA when associated with Gigamedia High Performance RJ45 jacks.

The individual shield applied on each pair helps to optimize NEXT Performance and ensure the user that field test results will show a 100% Pass rate of installed links.

It is the ideal solution when deploying 10Gbits capable Network cabling Infrastructure. (i.e 10GBASE-T). It is also backward compatible with relevant application standards such as 1000BASE-T and other applications.

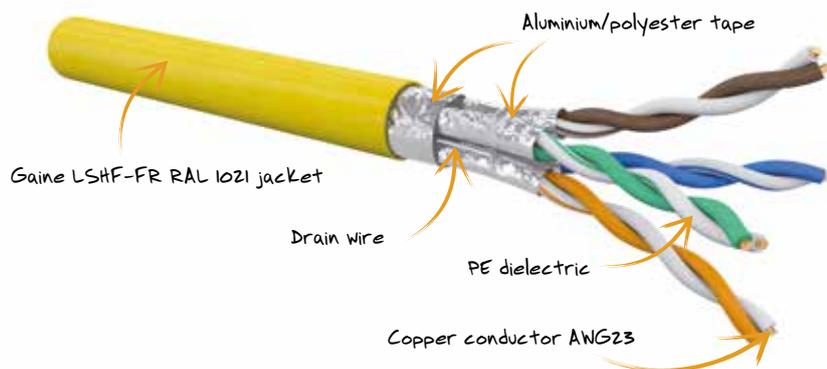
Thanks to a 3P dedicated certificate, the user is guaranteed to use a CAT6A component cable that also has a high level of Fire performance : LSZH & Fire retardant in accordance with IEC 60332-3 & EN 50267 to meet latest European regulation (CPR).

MECHANICAL CHARACTERISTICS

- ▶ Jacket: LSFROH
- ▶ Conductors: AWG23
- ▶ Insulation: 1.31 mm
- ▶ Outer diameter: 7.5 mm (4p) ; 7.3 x 14.7 mm (2x 4p)
- ▶ Bending radius (operation) : 30 mm
- ▶ Bending radius (installation) : 60 mm
- ▶ Installation tension: 80 N (4p) ; 160 N (2x 4p)
- ▶ Temperature rating: 0 °C to +50 °C (installation) -20 °C to +70 °C (operation)
- ▶ Standards: ANSI/TIA-568.2-D (CAT6A), EN50173 CAT6A, ISO/IEC11801 2nd Ed. Amd 2 CAT6A, IEC 61156-5: Ed.2.0
- ▶ Fire behaviour: EN 13501-6: Cca-s1a, d1, a1 EN 50575, EN 50399, EN 60332-3-24

CABLE MARKED

- ▶ 4p: GIGAMEDIA EN50173 CAT6A F/FTP LSZH-FR C6AFF4PFR-TP006A Cca NVP 82% 4 PAIRS 23AWG (production week/year) [lot n°] XXXXXX m
- ▶ 2x 4p: GIGAMEDIA EN50173 CAT6A F/FTP LSZH-FR C6AFF2X4FR-TP045A Cca NVP 82% 2x4 PAIRS 23AWG (production week/year) [lot n°] XXXXXX m



TRANSMISSION PERFORMANCE

| FRÉQUENCE (MHz) | ATTÉNUATION (dB) MAX | NEXT (dB) MIN | PSNEXT (dB) MIN | ACRF (dB) MIN | PSACRF (dB) MIN | RETURN LOSS (dB) MIN | PHASE DELAY (ns) MAX |
|-----------------|----------------------|---------------|-----------------|---------------|-----------------|----------------------|----------------------|
| 4 | 3.8 | 75.0 | 75.0 | 66.0 | 63.0 | 23.0 | 552.00 |
| 16 | 7.5 | 75.0 | 74.2 | 53.9 | 50.9 | 25.0 | 543.00 |
| 20 | 8.4 | 75.0 | 72.8 | 52.0 | 49.0 | 25.0 | 542.05 |
| 31.25 | 10.5 | 72.9 | 69.9 | 48.1 | 45.1 | 23.6 | 540.44 |
| 62.5 | 15.0 | 68.4 | 65.4 | 42.1 | 39.1 | 21.5 | 538.55 |
| 100 | 19.1 | 65.3 | 62.3 | 38.0 | 35.0 | 20.1 | 537.60 |
| 155 | 24.1 | 62.4 | 59.4 | 34.2 | 31.2 | 18.8 | 537.22 |
| 200 | 27.6 | 60.8 | 57.8 | 32.0 | 29.0 | 18.0 | 536.55 |
| 250 | 34.3 | 59.3 | 56.3 | 30.0 | 27.0 | 17.3 | 536.28 |
| 350 | 37.2 | 57.1 | 54.1 | 27.1 | 24.1 | 17.3 | 536.08 |
| 500 | 45.3 | 54.8 | 51.8 | 24.0 | 21.0 | 17.3 | 535.61 |

- ▶ Delay skew (ns/100m): ≤ 45
- ▶ Segregation class C
- ▶ DC Loop Resistance: 145 Ω/km
- ▶ DC Resistance Unbalance: ≤ 2 %
- ▶ Impedance: 100 ±15 Ω
- ▶ NVP: 82 %



| P/N | DESCRIPTION | |
|-------------------------|--|------------|
| GGM C6AFF4PFRT5 | 4 pairs CAT6A F/FTP 100 Ω 550 MHz LSZH-FR Cca - yellow | 500 m drum |
| GGM C6AFF2X4FRT5 | 2x4 pairs CAT6A F/FTP 100 Ω 550 MHz LSZH-FR Cca - yellow | 500 m drum |