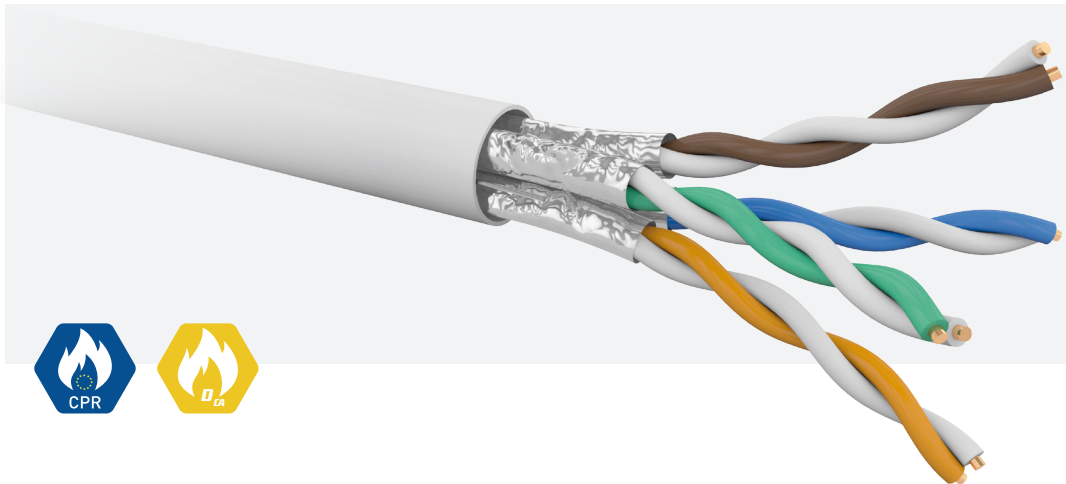




## CAT6A U/FTP LSZH D<sub>CA</sub> CABLE

### GGM C6AUF4PZHxx



#### APPLICATIONS

**IEEE802.3** : 10GBase-T, 5GBase-T, 2.5GBase-T, 1000Base-T (Gigabit Ethernet), 100Base-Tx, 10Base-T

**IEEE 802.3af**: PoE

**IEEE 802.3at**: PoE+

**IEEE 802.3bt**: 4 PPoE

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.

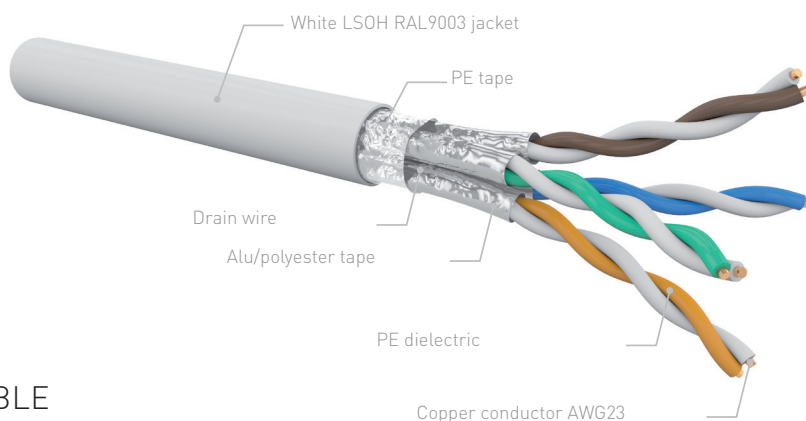
Thanks to a 3P dedicated certificate, the user is guaranteed to use a CAT6A component cable that also has all the requested properties around Fire behavior : LSZH & Flame retardant.

## MECHANICAL CHARACTERISTICS

| ITEM | JACKET | CONDUCTORS | INSULATION (MM) | EXTERNAL DIAMETER (MM) | GROSS WEIGHT (KG) | BENDING RADIUS (MM) | INSTALLATION TENSION (N) |
|------|--------|------------|-----------------|------------------------|-------------------|---------------------|--------------------------|
| 4    | LSOH   | AWG23      | 1,4             | 7.4                    | 53                | 59.2                | 110                      |
| 2x4  | LSOH   | AWG23      | 1,4             | 2x7.4                  | 112               | 59.2                | 220                      |

- Temperature rating (operation): -20 °C to +60 °C
- Temperature rating (installation): 0 °C to +50 °C
- Standards: ANSI/TIA-568-C.2 (CAT6A), EN50173 CAT6A, ISO/IEC11801 2nd Ed. Amd 2 CAT6A, IEC 61156-5 : Ed.2.0

- Fire behaviour:  
EN 13501-6: Dca - s2,d2,a1  
EN 50575, EN 50399, EN 60332-3-24



## CABLE MARKED

### 4P :

- ▶ GIGAMEDIA EN 50173 CAT6A U/FTP LSZH -C6AUF4PZH -TP026A – Dca s2 d2 a1 NVP 80% 4PAIR 23 AWG [lot n°] XXXXX m

### 2x 4P :

- ▶ GIGAMEDIA EN 50173 CAT6A U/FTP LSZH -C6AUF2X4ZH -TP027A – Dca s2 d2 a1 NVP 80% 2X4PAIR 23 AWG [lot n°] XXXXXX m

## TRANSMISSION PERFORMANCE

| FREQUENCY | ATTENUATION | NEXT (dB) | PSNEXT (dB) | ACR (dB/100M) | PS-ACR (dB/100M) | ELFEXT (dB/100M) | PS-ELFEXT (dB/100M) | RETURN LOSS (dB) |
|-----------|-------------|-----------|-------------|---------------|------------------|------------------|---------------------|------------------|
| 1         | 1,9         | 95        | 92          | 93            | 90               | 91               | 88                  | 25,1             |
| 10        | 5,2         | 90        | 87          | 85            | 82               | 96               | 93                  | 35,2             |
| 100       | 17,7        | 75        | 72          | 57            | 54               | 90               | 87                  | 37,2             |
| 200       | 26,4        | 68        | 65          | 42            | 39               | 78               | 75                  | 31,1             |
| 250       | 29,9        | 66        | 63          | 36            | 33               | 75               | 72                  | 29,5             |
| 300       | 31,9        | 65        | 62          | 33            | 30               | 72               | 69                  | 28,3             |
| 450       | 38,9        | 63        | 60          | 24            | 21               | 69               | 66                  | 26,7             |
| 500       | 41,2        | 61        | 58          | 20            | 17               | 66               | 63                  | 26,3             |

- ▶ Propagation delay (ns/100m): 420
- ▶ Skew at 100 MHz (ns/100m): 7
- ▶ Segregation class D

- ▶ Impedance: 100 ±5 Ω
- ▶ Velocity of propagation: 80 %

## ORDERING INFORMATION

| P/N             | DESCRIPTION                          | COLOR | PACKAGING  |
|-----------------|--------------------------------------|-------|------------|
| GGM C6AUF4PZH5  | 4 pairs CAT6A U/FTP AWG23 LSZH Dca   | white | 500 m drum |
| GGM C6AUF2X4ZH5 | 2x4 pairs CAT6A U/FTP AWG23 LSZH Dca | white | 500 m drum |