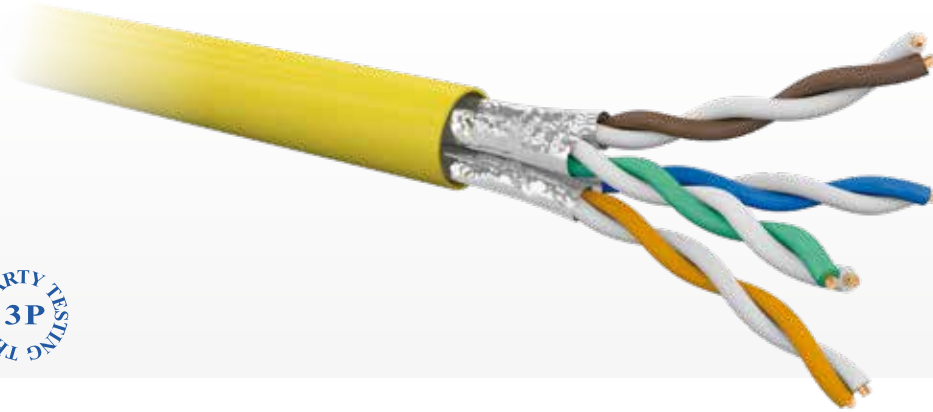


CAT6A U/FTP LSZH-FR Cca 550 MHz CABLE



APPLICATIONS

- IEEE802.3:
10GBase-T, 5GBase-T, 2.5GBase-T,
1000Base-T (Gigabit Ethernet),
100Base-Tx, 10Base-T
- ANSI / TIA / EIA: 1000Base-Tx
- IEEE 802.3at: PoE+

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.

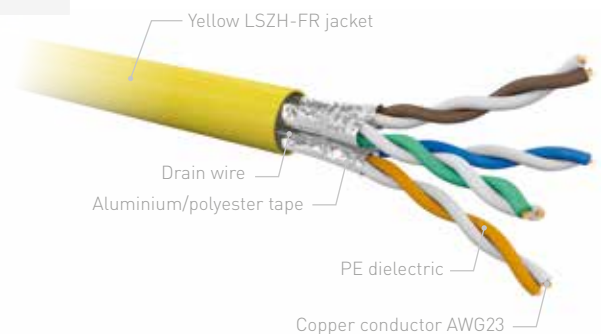
Thanks to a 3P dedicated certificate, the user is guaranteed to use a CAT6A component cable that also has a high level of Fire performance : LSZH & Fire retardant in accordance with IEC 60332-3 & EN 50267 to meet latest European regulation (CPR).

MECHANICAL CHARACTERISTICS

ITEM	JACKET	CONDUCTORS	INSULATION (MM)	EXTERNAL DIAMETER (MM)	GROSS WEIGHT (KG)	BENDING RADIUS (MM)	INSTALLATION TENSION (N)
4	LSZH-FR	AWG23	1,32	7,5	57	60	80

- Temperature rating (operation): 0 °C to 50 °C
- Temperature rating (installation): -25 °C to 70 °C
- Standards: ANSI/TIA-568-C.2 (CAT6A)
EN50173 CAT6A
ISO/IEC 11801 2nd Ed. Amd 2 CAT6A
ISO/IEC 24764
IEC 61156-5 : Ed.2.0

- Fire behaviour:
EN 13501-6 : Cca, s1a, d1, a1
EN 50575 - EN 50399
EN 60332-1 - EN 60754-2 - EN 61034-2



CABLE MARKED

GIGAMEDIA EN 50173 CAT6A U/FTP LSZH-FR -C6AUF4PFR -TP021A – Cca NVP 82% 4PAIR 23 AWG [lot n°] XXXXX m

TRANSMISSION PERFORMANCE

FREQUENCY (MHZ)	ATTENUATION (dB/100 m)	NEXT (dB)	PSNEXT (dB)	ACR (dB)	PS-ACR (dB)	RETURN LOSS (dB)
4	3.6	100.0	100.0	91.2	88.2	28.0
16	7.2	100.0	100.0	89.4	86.4	30.0
20	8.0	100.0	100.0	89.0	86.0	30.0
31.25	10.0	100.0	100.0	88.0	85.0	28.6
62.5	14.2	100.0	97.5	85.9	82.9	26.5
100	18.1	97.4	94.4	84.0	81.0	25.1
155	22.7	94.5	91.5	81.7	78.7	23.8
200	25.8	92.9	89.9	80.1	77.1	23.0
250	31.9	91.4	88.4	75.7	75.5	22.3
350	34.6	89.2	86.2	75.7	72.7	22.3
500	41.8	86.9	83.9	72.1	69.1	22.3
550	43.9	86.3	83.3	71.0	68.0	22.3

- Impedance: 100 ±5 Ω
- Velocity of propagation: 82 %
- DC Loop Resistance: 190 Ω/km
- DC Resistance Unbalance: ≤ 2 %
- Coupling attenuation at 100 MHz : > 70 dB

ORDERING INFORMATION

P/N	DESCRIPTION
GGM C6AUF4PFR75	4 pairs CAT6A U/FTP 100 Ω 550 MHz LSZH-FR Cca yellow 500 m drum