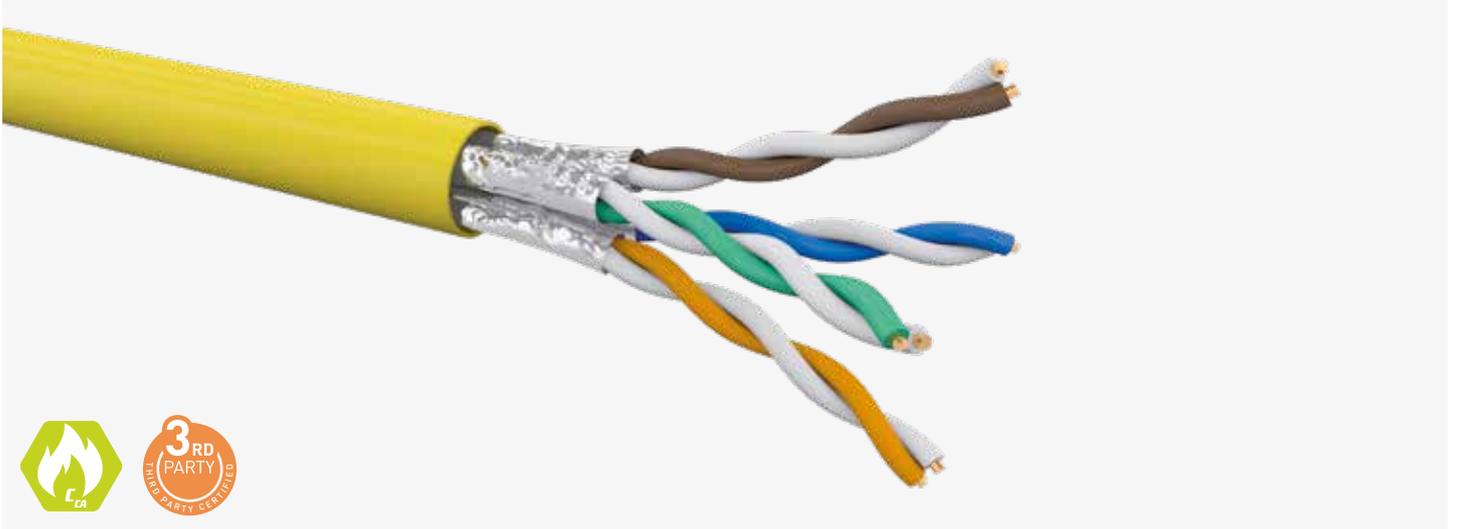




CAT6A U/FTP LSZH-FR Cca 550 MHz CABLE

GGM C6AUF4PFRxx



APPLICATIONS

- ▶ IEEE802.3: 10GBase-T, 5GBase-T, 2.5GBase-T, 1000Base-T, 100Base-Tx, 10Base-T
- ▶ ANSI / TIA / EIA: 1000Base-Tx
- ▶ 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.

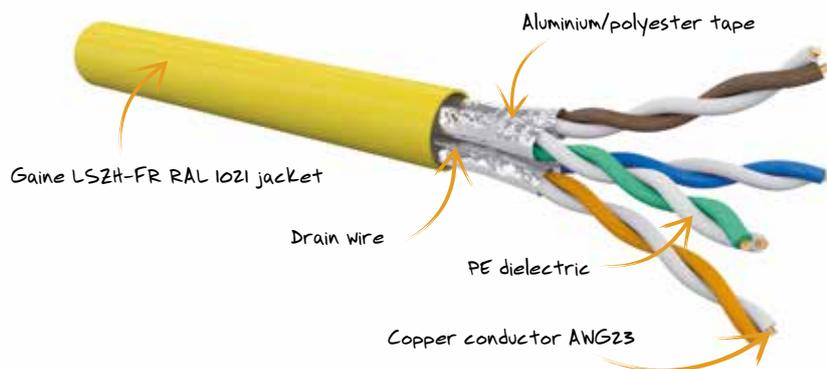
Thanks to a 3P dedicated certificate, the user is guaranteed to use a CAT6A component cable that also has a high level of Fire performance : LSZH & Fire retardant in accordance with IEC 60332-3 & EN 50267 to meet latest European regulation (CPR).

MECHANICAL CHARACTERISTICS

- ▶ Jacket: LSZH-FR
- ▶ 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

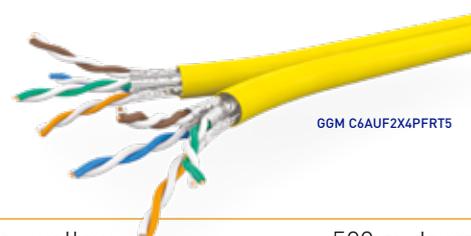
- ▶ 4p: GIGAMEDIA EN 50173 CAT6A U/FTP LSZH-FR -C6AUF4PFR -TP021A – Cca NVP 82% 4PAIR 23 AWG (production week/year) [lot n°] XXXXXX m
- ▶ 2x4p: GIGAMEDIA EN 50173 CAT6A U/FTP LSZH-FR -C6AUF2X4FR -TP046A – Cca NVP 82% 2x4PAIR 23 AWG (production week/year) [lot n°] XXXXXX m



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

- ▶ Impedance: 100 ±5 Ω
- ▶ Velocity of propagation (NVP): 82 %
- ▶ DC Loop Resistance: 190 Ω/km
- ▶ DC Resistance Unbalance: ≤ 2 %
- ▶ Coupling attenuation at 30 MHz: > 70 dB
- ▶ Segregation class C



P/N	DESCRIPTION	
GGM C6AUF4PFRT5	4 pairs CAT6A U/FTP 100 Ω 550 MHz LSZH-FR Cca - yellow	500 m drum
GGM C6AUF2X4PFRT5	2x4 pairs CAT6A U/FTP 100 Ω 550 MHz LSZH-FR Cca - yellow	500 m drum