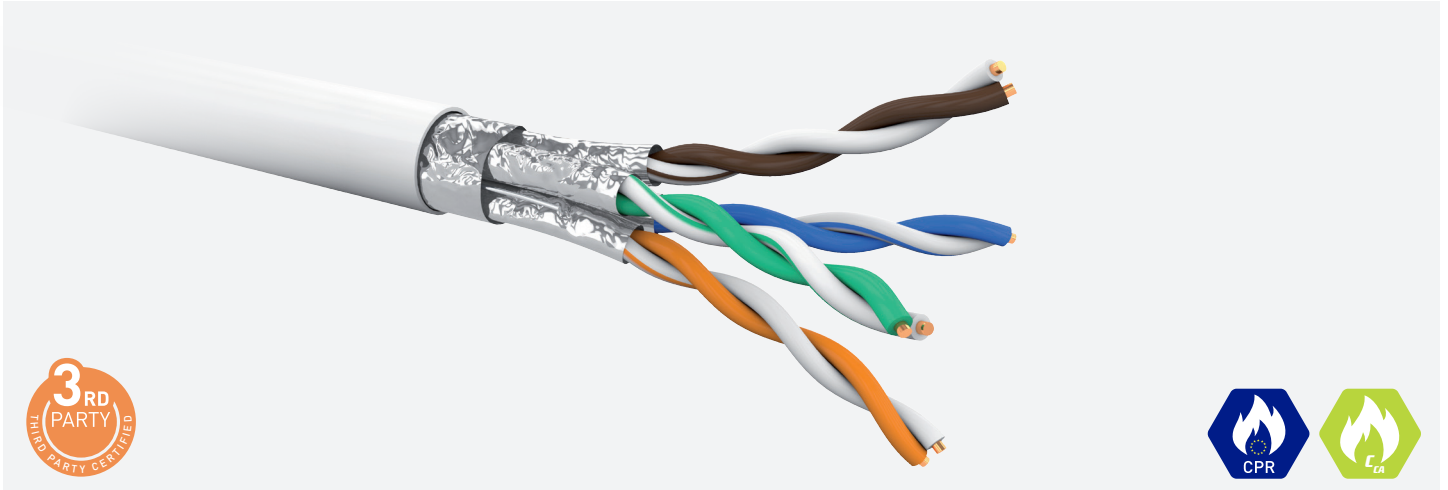




CAT6A F/FTP LSZH-FR Cca CABLE

GGM C6AFF4PSFRxx



APPLICATIONS

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

CAT6A F/FTP cable limiting fire propagation.

It is specially designed to meet the latest construction product regulation EU 305/2011 & EN 50575 standards, and is certified Cca-s1a, d1, a1.

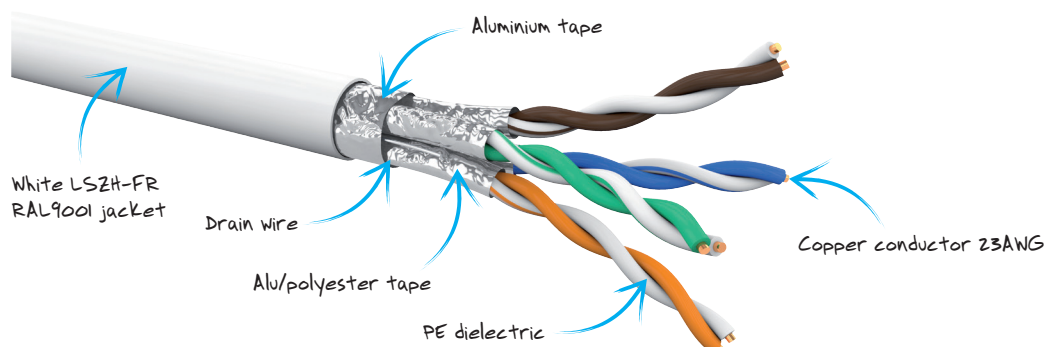
Each cable consists of a global and individual aluminium/polyester foil tape, providing a shield coverage of high quality against EMI.

The performance headroom provided makes it a reliable and safe choice in support of all class EA applications including 10 Gigabit Ethernet and 4PPoE.

MECHANICAL CHARACTERISTICS

- ▶ Jacket: LSZH-FR
- ▶ Conductors: AWG23
- ▶ Insulation: 1.35 mm
- ▶ External diameter: 6.4 mm
- ▶ Bending radius (operationnal): 4 x OD
- ▶ Bending radius (installation): 8 x OD
- ▶ Installation tension: 110 N
- ▶ Temperature rating:
0 °C to +50 °C (installation)
-20 °C to +60 °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

GIGAMEDIA EN50173 CAT6A F/FTP LSZH-FR C6AFF4PSFR-TP029A Cca NVP 78% 4 PAIRS 23AWG

TRANSMISSION PERFORMANCE

FREQUENCY (MHZ)	IMPEDANCE (Ω)	ATTENUATION (DB) MAX	NEXT (DB) MIN	PSNEXT (DB) MIN	ACRF (DB) MIN	PSACRF (DB) MIN	RETURN LOSS (DB) MIN	PROPAGATION DELAY (NS) MAX	DELAY SKEW (NS) MAX
4	100 ±15	3.8	66.3	63.3	56.0	53.0	23.0	552.0	45
10		5.9	60.3	57.3	48.0	45.0	25.0	545.4	
16		7.5	57.2	54.2	43.9	40.9	25.0	543.0	
20		8.4	55.8	52.8	42.0	39.0	25.0	542.0	
31.25		10.5	52.9	49.9	38.1	35.1	23.6	540.4	
62.5		15.0	48.4	45.4	32.1	29.1	21.5	538.6	
100		19.1	45.3	42.3	28.0	25.0	20.1	537.6	
125		21.5	43.8	40.8	26.1	23.1	19.4	537.2	
200		27.6	40.8	37.8	22.0	19.0	18.0	536.5	
250		31.1	39.3	36.3	20.0	17.0	17.3	536.3	
300		34.3	38.1	35.1	18.5	15.5	17.3	536.1	
500		45.3	34.8	31.8	14.0	11.0	17.3	535.6	

- Segregation class C
- Insulation resistance (500 V): ± 5000 MΩ/km
- Capacitance @ 800 Hz nom.: 46 nF/km
- Velocity of propagation: 78 %



P/N	DESCRIPTION			
GGM C6AFF4PSFRU1	4 pairs CAT6A F/FTP AWG23 LSZH-FR Cca	White	100 m box	
GGM C6AFF4PSFRU200	4 pairs CAT6A F/FTP AWG23 LSZH-FR Cca	White	200 m reel in box	
GGM C6AFF4PSFRU3	4 pairs CAT6A F/FTP AWG23 LSZH-FR Cca	White	305 m box	
GGM C6AFF4PSFRT5	4 pairs CAT6A F/FTP AWG23 LSZH-FR Cca	White	500 m drum	