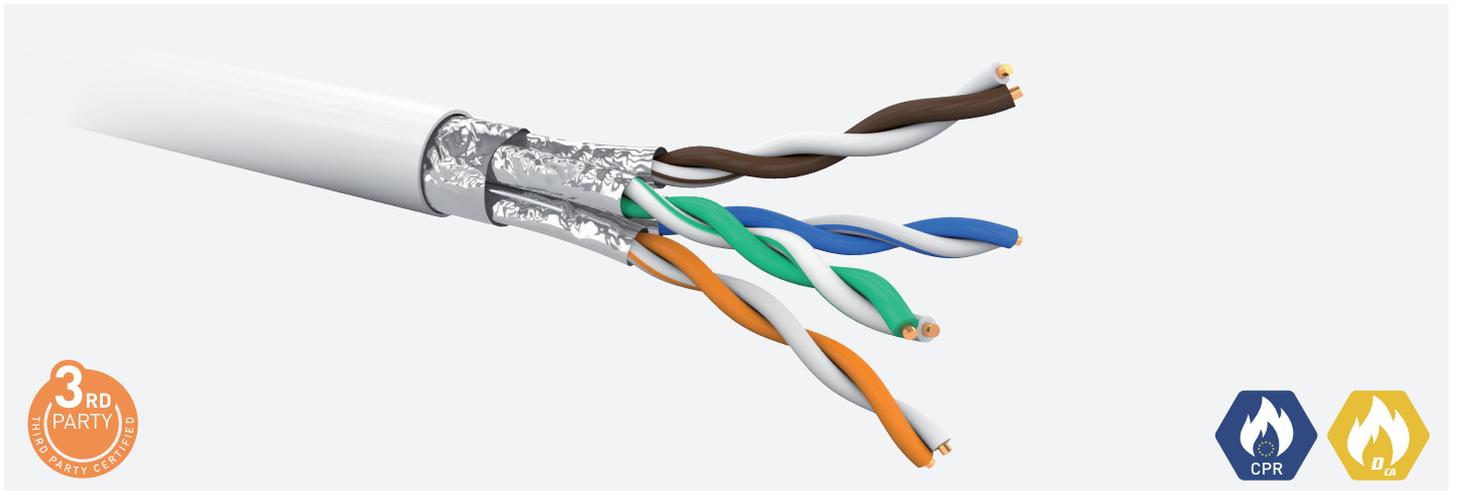




## CAT6A F/FTP LSZH Dca CABLE

GGM C6AFF4PSHFxx



### APPLICATIONS

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

Thanks to cutting edge technologies, this cable is manufactured in a way to exceed the ISO, ANSI/TIA and CENELEC for Class EA, Category 6A applications.

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

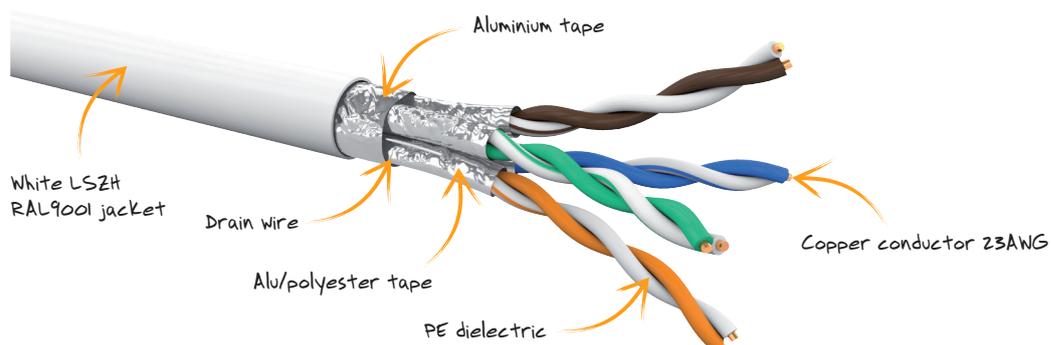
The performance headroom provided makes it a reliable and safe choice in support of all class EA applications including 10 Gigabit Ethernet and 4PPoE.

### MECHANICAL CHARACTERISTICS

- ▶ Jacket: LSZH
- ▶ 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: Dca-s2, d2, a1 EN 50575, EN 50399, EN 60332-1



*Reel in box version also available!*



**CABLE MARKED**

GIGAMEDIA EN50173 CAT6A F/FTP LSZH C6AFF4PSHF-TP028A Dca 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 D
- ▶ Insulation resistance (500 V): ± 5000 MΩ/km
- ▶ Capacitance @ 800 Hz nom.: 46 nF/km
- ▶ Velocity of propagation: 78 %

P/N	DESCRIPTION		
<b>GGM C6AFF4PSHFU1</b>	4 pairs CAT6A F/FTP AWG23 LSZH Dca	White	100m box
<b>GGM C6AFF4PSHFU200</b>	4 pairs CAT6A F/FTP AWG23 LSZH Dca	White	200 m reel in box
<b>GGM C6AFF4PSHFU3</b>	4 pairs CAT6A F/FTP AWG23 LSZH Dca	White	305m box
<b>GGM C6AFF4PSHFT5</b>	4 pairs CAT6A F/FTP AWG23 LSZH Dca	White	500 m drum