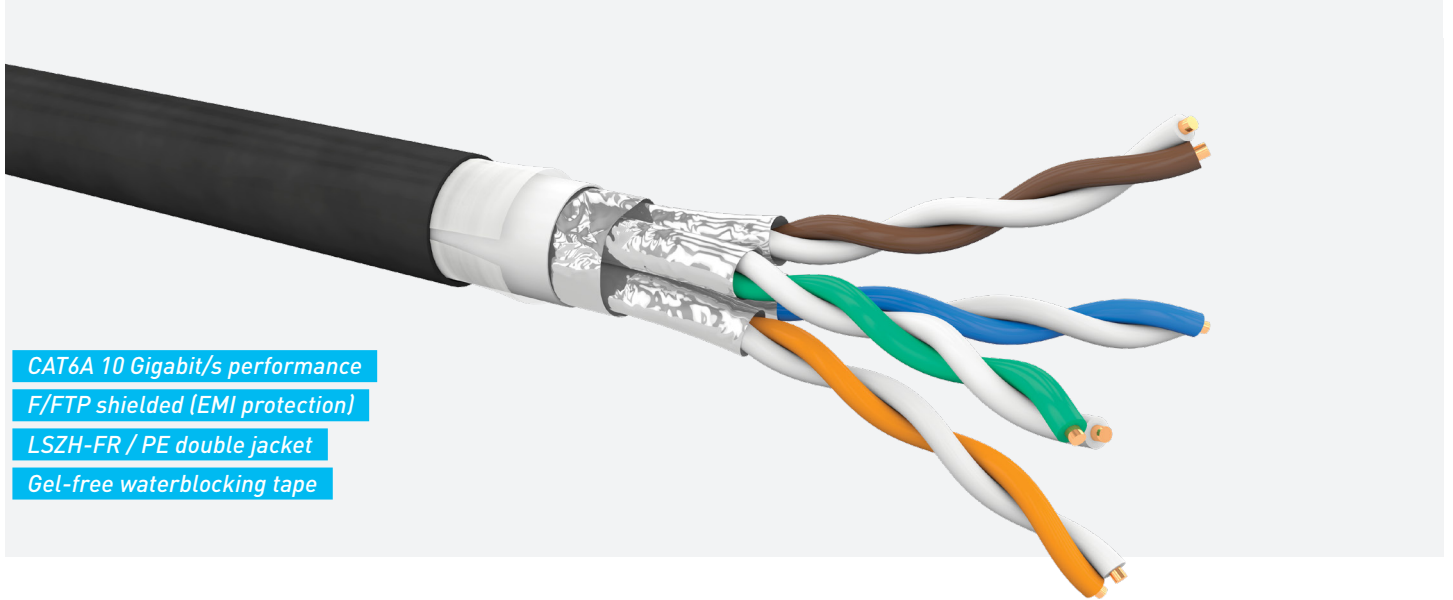




CAT6A F/FTP LSZH-FR/PE CABLE

GGM C6AFF4PFRWBPET3



CAT6A 10 Gigabit/s performance

F/FTP shielded (EMI protection)

LSZH-FR / PE double jacket

Gel-free waterblocking tape

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 cable has been designed to exceed the ISO/IEC, TIA and CENELEC component requirements for Category 6A/Augmented Category 6, and delivers Class EA link performance over distances of up to 90 m.

When associated with Gigamedia high performance RJ45 connectivity, it supports high-bitrate applications such as 10 Gigabit Ethernet, along with the remote power supply of equipment up to 90 W (4PPoE).

With its LSZH-FR/PE double jacket, it is particularly suitable for outdoor installations, while its waterblocking tape offers gel-free watertightness, thus reducing cable preparation time.

It can also be installed indoors once the PE outer jacket has been withdrawn.

MECHANICAL CHARACTERISTICS

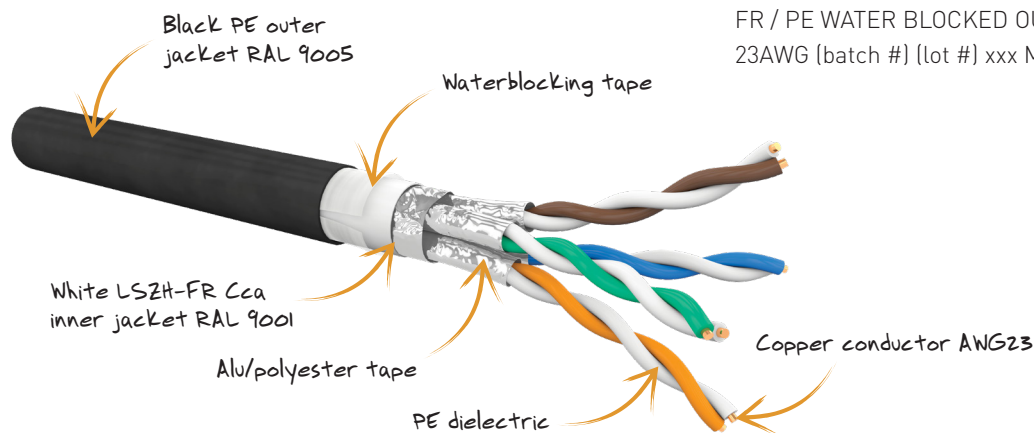
ITEM	JACKET	CONDUCTORS	INSULATION (MM)	EXTERNAL DIAMETER (MM)	GROSS WEIGHT (KG)	BENDING RADIUS (MM)	INSTALLATION TENSION (N)
4	LSZH-FR / PE	AWG23	1.4	6,4 / 9,3 (LSZH-FR/PE)	21,7	74,4	110

- ▶ Temperature rating
0 °C to +50 °C (installation)
-20 °C to +60 °C (operating)
- ▶ Standards:
ANSI/TIA-568-2-D (CAT6A), EN50173 CAT6A, ISO/IEC11801 2nd Ed. Amd 2 CAT6A, IEC 61156-5 : Ed.2.0
- ▶ Fire behaviour (inner jacket):
EN 13501-6: Cca-s1a,d1,a1
EN 50575, EN 50399, EN 60332-3
- ▶ Crush and moisture resistant according to
EN 50289-3 & EN 60811-501

P/N	DESCRIPTION	PACKAGING
GGM C6AFF4PFRWBPET3	CAT6A 4 pairs AWG23 F/FTP LSZH-FR/PE outdoor - black	Drum 305 m

CABLE MARKED

GIGAMEDIA C6AFF4PFRWBPET3 EN50173 CAT6A F/FTP LSZH-FR / PE WATER BLOCKED OUTDOOR CABLE NVP 78% 4 PAIRS 23AWG (batch #) (lot #) xxx M



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	PACKAGING
GGM C6AFF4PFRWBPET3	CAT6A 4 pairs AWG23 U/FTP LSZH-FR/PE outdoor - black	Drum 305 m