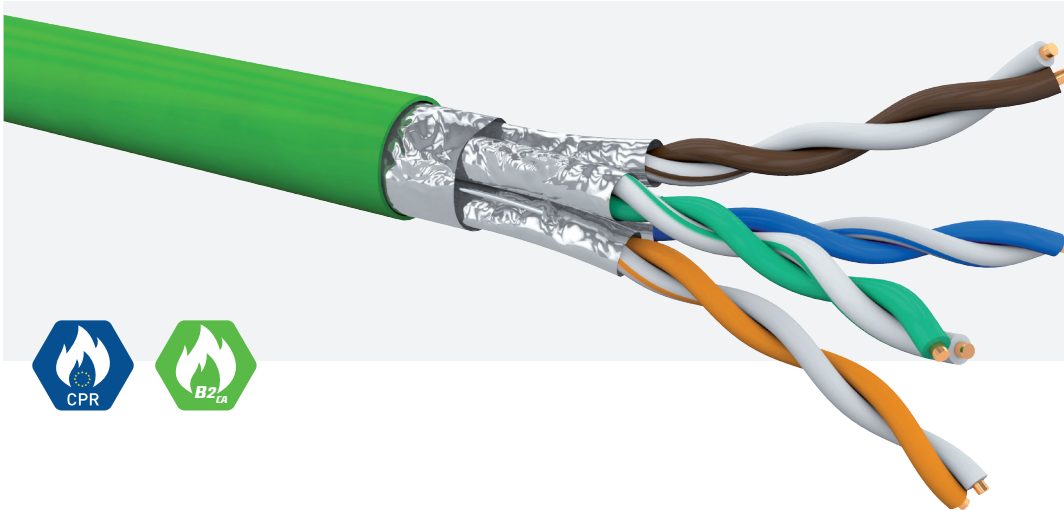




CAT6A F/FTP LSZH-FR B2ca CABLE

GGM C6AFF4PFRBT5



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

New CAT6A F/FTP B2ca cable adapted to the most demanding environments in terms of fire behaviour.

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

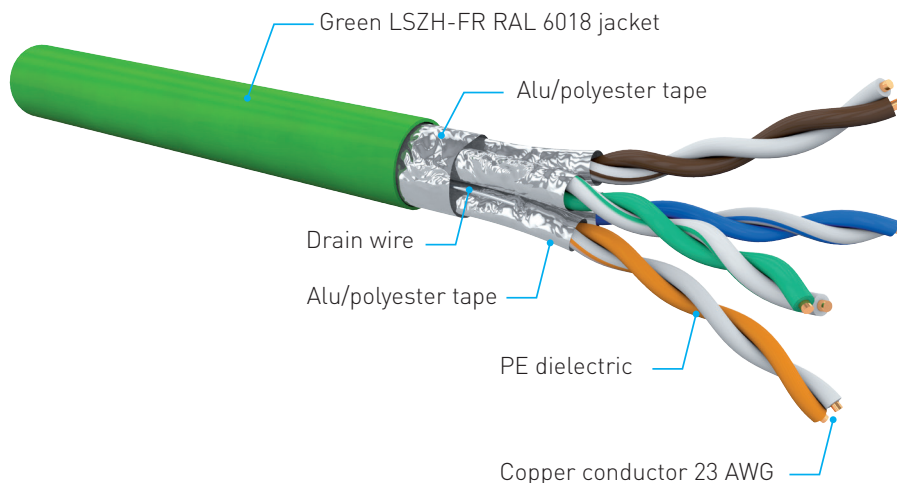
The performance headroom provided makes it a reliable choice in support of all class EA applications including 10 Gigabit Ethernet and 4PPoE.

MECHANICAL CHARACTERISTICS

ITEM	JACKET	AWG	INSULATION (mm)	EXTERNAL DIAMETER (mm)	GROSS WEIGHT (kg)	BENDING RADIUS (mm)	INSTALLATION TENSION (N)
4	LSZH	AWG23	1,37	6,4	25	51,2	110

- ▶ Temperature rating (installation): 0 °C to +50 °C
- ▶ Temperature rating (operation): -20 °C to +60 °C
- ▶ Standards: ANSI/TIA-568.2-D, EN50173, ISO/IEC11801, IEC 61156-5

- ▶ Fire behaviour:
EN 13501-6: B2ca-s1, d1, a1
EN 50575, EN 50399, EN 60332-3-24



CABLE MARKED

► GIGAMEDIA EN 50173 CAT6A F/FTP LSZH-FR -C6AFF4PFRB -TP025A – B2ca NVP 78% 4PAIR 23 AWG [lot n°] XXXXXX m

TRANSMISSION PERFORMANCE

FREQUENCY	ATTENUATION	NEXT (dB)	PSNEXT (V)	ELFEXT (dB/100 m)	PS-ELFEXT (dB/100 m)	RETURN LOSS (dB)
4	3.8	66.3	63.3	56	53	23
10	5.9	60.3	57.3	48	45	25
16	7.5	57.2	54.2	43.9	40.9	25
20	8.4	55.8	52.8	42	39	25
31.25	10.5	52.9	49.9	38.1	35.1	23.6
62.5	15	48.4	45.4	32.1	29.1	21.5
100	19.1	45.3	42.3	28	25	20.1
125	21.5	43.8	40.8	26.1	23.1	19.4
200	27.6	40.8	37.8	22	19	18
250	31.1	39.3	36.3	20	17	17.3
500	45.3	34.8	31.8	14	11	17.3

► Propagation delay (ns/100 m): 540

► Delay skew ≤ 45 ns/100 m

► Segregation class D

► Impedance : 100 ±15 Ω

► NVP : 78 %

P/N	DESCRIPTION	PACKAGING
GGM C6AFF4PFRBT5	4 pairs CAT6A F/FTP AWG23 LSZH-FR B2ca, Green	500 m drum