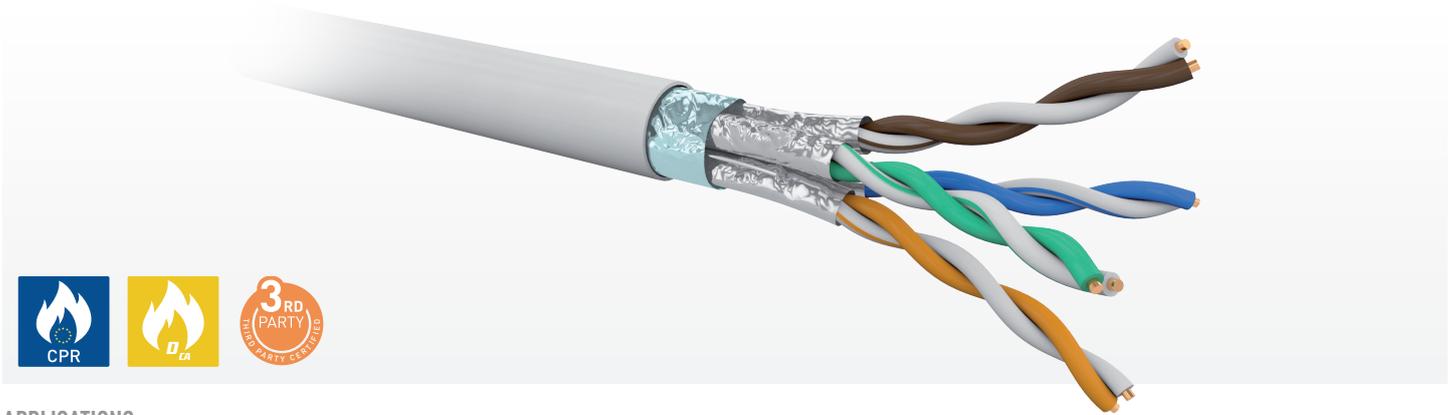


## CAT6A F/FTP LSZH Dca 550 MHz CABLE



### APPLICATIONS

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

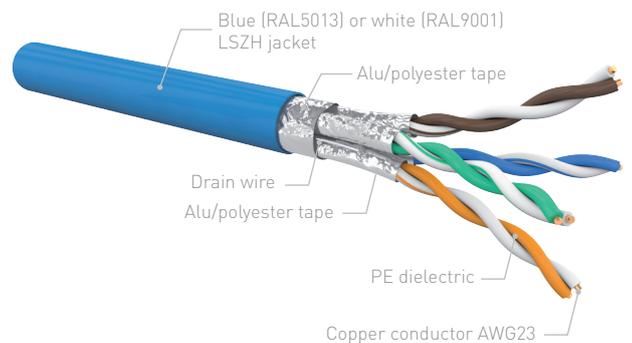
The cable has been designed to exceed the ISO/IEC, TIA and CENELEC for Category 6A/Augmented Category 6 component requirements. This delivers Class EA link performance over distances of up to 90 m which supports the applications including 10GBASE-T, 10 Gigabit Ethernet.

Each cable consists of a global foil shield and 4 pairs individually wrapped in a covering of high quality, strong, aluminium/polyester foil tape providing an individual screen for each pair and an overall screen is also applied.

### MECHANICAL CHARACTERISTICS

ITEM	JACKET	CONDUCTORS	INSULATION (MM)	EXTERNAL DIAMETER (MM)	GROSS WEIGHT (KG)	BENDING RADIUS (MM)	INSTALLATION TENSION (N)
4	LSZH	AWG23	1,32	7	69	56	80
2x4	LSZH	AWG23	1,32	2x7	138	56	80

- Temperature rating (operation): -20 °C to +70 °C
- Temperature rating (installation): 0 °C to +50 °C
- 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, d1, a1  
EN 50575, EN 50399, EN 60332-1-2



### CABLE MARKED

4P : GIGAMEDIA EN 50173 CAT6A F/FTP LSZH -C6AFF4PZH -TP020A – Dca NVP 82% 4PAIR 23 AWG [lot n°] xxx m  
2x4P : GIGAMEDIA EN 50173 CAT6A F/FTP LSZH -C6AFF2X4ZH -TP022A – Dca NVP 82% 2X4PAIR 23 AWG [lot n°] xxx m

## TRANSMISSION PERFORMANCE

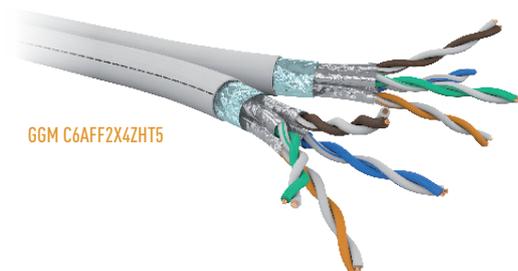
FREQUENCY (MHZ)	ATTENUATION (dB/100 m)	NEXT (dB)	PSNEXT (dB)	ACR (dB)	PS-ACR (dB)	RETURN LOSS (dB)
4	3.6	100.0	100.0	91.2	88.2	28.0
16	7.2	100.0	100.0	89.4	86.4	30.0
20	8.0	100.0	100.0	89.0	86.0	30.0
31.25	10.0	100.0	100.0	88.0	85.0	28.6
62.5	14.2	100.0	97.5	85.9	82.9	26.5
100	18.1	97.4	94.4	84.0	81.0	25.1
155	22.7	94.5	91.5	81.7	78.7	23.8
200	25.8	92.9	89.9	80.1	77.1	23.0
250	31.9	91.4	88.4	75.7	75.5	22.3
350	34.6	89.2	86.2	75.7	72.7	22.3
500	41.8	86.9	83.9	72.1	69.1	22.3
550	43.9	86.3	83.3	71.0	68.0	22.3

- Impedance: 100 ±5 Ω
  - Velocity of propagation: 82 %
  - Mutual capacitance 42 nF/km
  - Coupling attenuation at 30 MHz >85 dB
- EN50174-2, segregation Class D

GGM C6AFF4PZHT5



GGM C6AFF2X4ZHT5



## ORDERING INFORMATION

P/N	DESCRIPTION
GGM C6AFF4PZHT5	4 pairs CAT6A F/FTP 100 Ω 550 MHz LSZH Dca White 500 m drum
GGM C6AFF2X4ZHT5	2x4 pairs CAT6A F/FTP 100 Ω 550 MHz LSZH Dca White 500 m drum
GGM C6AFF4PDBET5	4 pairs CAT6A F/FTP 100 Ω 550 MHz LSZH Dca Blue 500 m drum
GGM C6AFF2X4DBET5	2x4 pairs CAT6A F/FTP 100 Ω 550 MHz LSZH Dca Blue 500 m drum