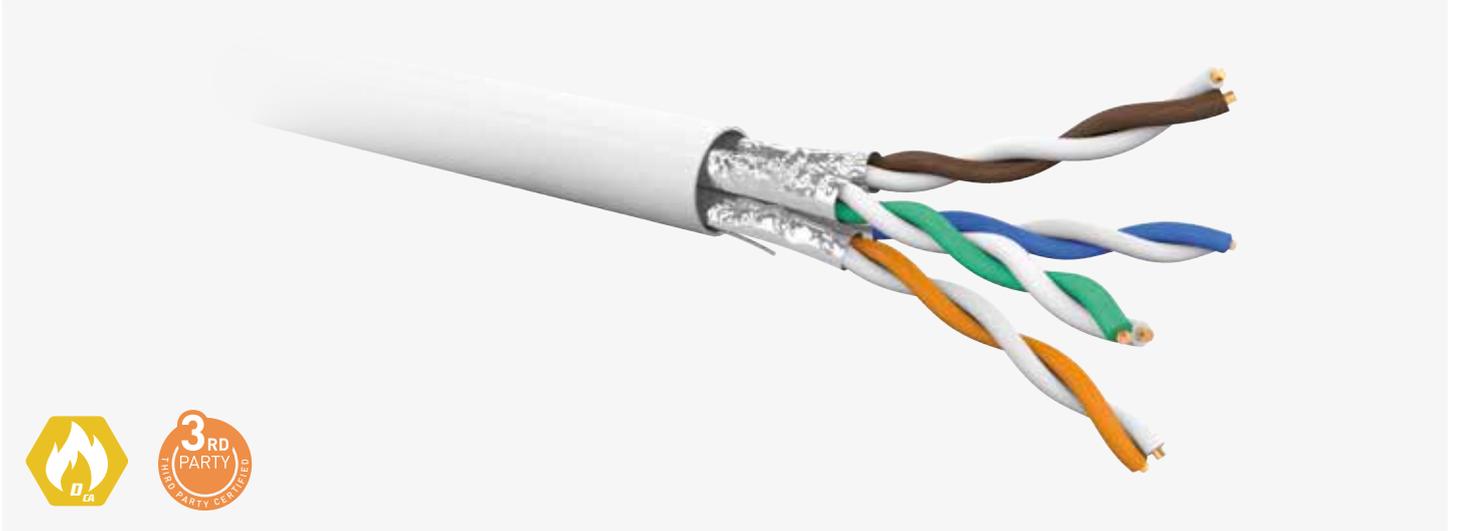




CAT6A U/FTP LSZH Dca CABLE



APPLICATIONS

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

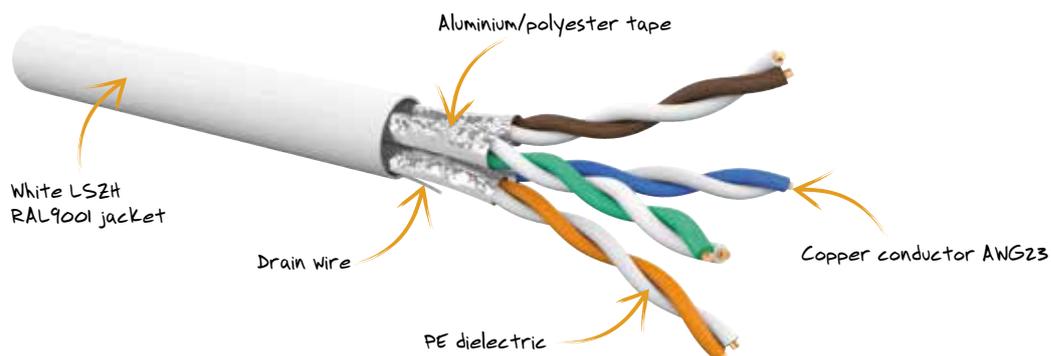
This series of cables meets and exceeds the requirement of Augmented category 6 (CAT6A) and ISO 11801 or EN 50173 Class EA when associated with Gigamedia High Performance RJ45 jacks.

The individual shield applied on each pair helps to optimize NEXT Performance and ensure the user that field test results will show a 100 % Pass rate of installed links.

It is the ideal solution when deploying 10 Gigabit/s and 4PPoE capable Network cabling infrastructure. Thanks to a 3P dedicated certificate, the user is guaranteed to use a CAT6A component cable that also has all the requested properties around Fire behavior: LSZH & Flame retardant.

MECHANICAL CHARACTERISTICS

- ▶ Jacket: LSZH
- ▶ Conductors: AWG23
- ▶ Insulation: 1.45 mm
- ▶ External diameter: 7.4 mm
- ▶ Bending radius (operationnal): 4 x OD
- ▶ Bending radius (installation): 8 x OD
- ▶ Installation tension: 80 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



CABLE MARKED

GIGAMEDIA EN50173 CAT6A U/FTP LSZH C6AUF4PHF-TP038A 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 C
- ▶ Velocity of propagation: 78 %

P/N	DESCRIPTION		
GGM C6AUF4PHFU3	4 pairs CAT6A U/FTP AWG23 LSZH Dca	White	Reelex 305 m
GGM C6AUF4PHFT5	4 pairs CAT6A U/FTP AWG23 LSZH Dca	White	500 m drum
GGM C6AUF2X4HFT5	2x4 pairs CAT6A U/FTP AWG23 LSZH Dca	White	500 m drum