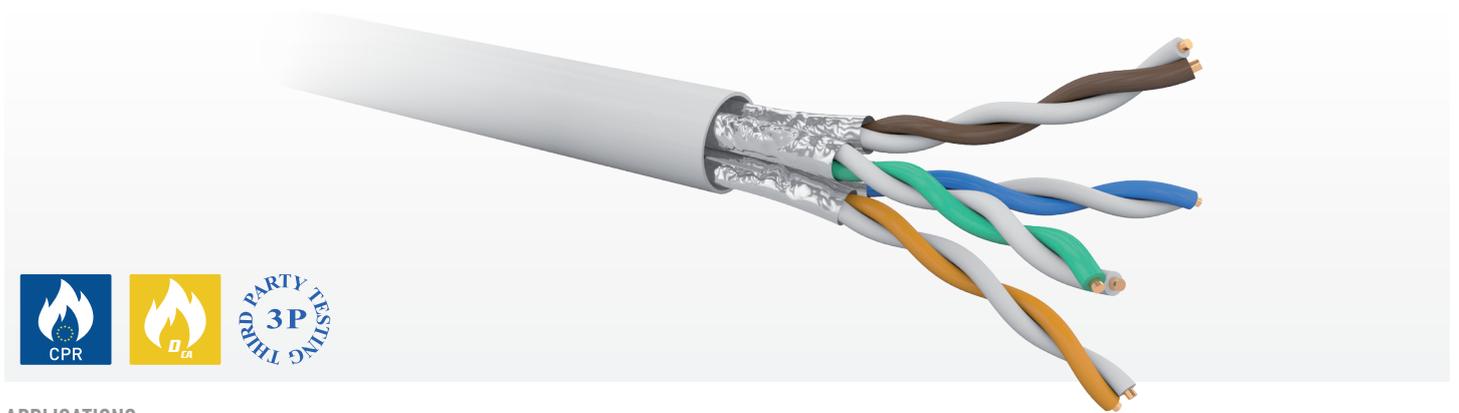


CAT6A U/FTP LSZH Dca 550 MHz CABLE



APPLICATIONS

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

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 10Gbits capable Network cabling infrastructure. (i.e 10GBASE-T). It is also backward compatible with relevant application standards such as 1000BASE-T and other applications.

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.

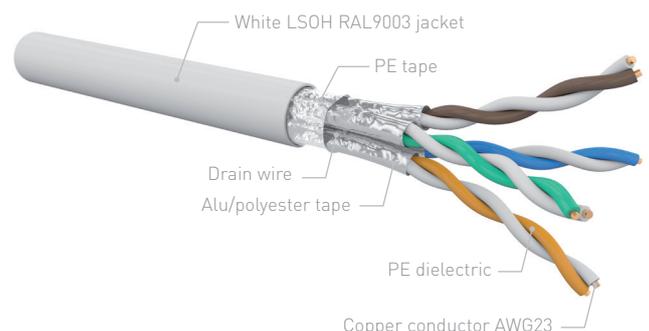
MECHANICAL CHARACTERISTICS

ITEM	JACKET	CONDUCTORS	INSULATION (MM)	EXTERNAL DIAMETER (MM)	GROSS WEIGHT (KG)	BENDING RADIUS (MM)	INSTALLATION TENSION (N)
4	LSZH	AWG23	1,4	7,8	59	63	110
2x4	LSZH	AWG23	1,4	2 x 7,8	119	63	220

- Temperature rating (operation): -20 °C to +60 °C
- Temperature rating (installation): 0 °C to +50 °C
- Standards: ANSI/TIA-568-C.2 (CAT6A)
EN50173 CAT6A
ISO/IEC11801 2nd Ed. Amd 2 CAT6A
IEC 61156-5 : Ed.2.0
- Fire behaviour:
EN 13501-6: Dca, s2, d2, a2
EN 50575, EN 50399, EN 60332-1-2

CABLE MARKED

4P : GIGAMEDIA EN 50173 CAT6A U/FTP LSZH -C6AF4PZH -TP004A – Dca NVP 74% 4PAIR 23 AWG [lot n°] XXXXX
2x 4P : GIGAMEDIA EN 50173 CAT6A U/FTP LSZH -C6AF2X4PZH -TP016A – Dca NVP 74% 2X4PAIR 23 AWG [lot n°] XXXXXX m



TRANSMISSION PERFORMANCE

FREQUENCY (MHZ)	ATTENUATION (dB/100 m)	NEXT (dB)	PSNEXT (dB)	ACR (dB/100 m)	PS-ACR (dB/100 m)	ELFEXT (dB/100 m)	PS-ELFEXT (dB/100 m)	Return loss (dB)
1.0	1.8	100	97	98	95	105	105	-
4.0	3.4	100	97	97	94	105	102	27
10.0	5.4	100	97	95	92	97	94	30
16.0	6.8	100	97	93	90	93	90	30
20.0	7.7	100	97	92	89	91	88	30
31.2	9.6	100	97	90	87	87	84	30
62.5	13.7	100	97	86	83	81	78	30
100.0	17.4	100	97	83	80	77	74	30
125.0	19.5	95	92	75	72	75	72	26
155.5	21.9	94	91	72	69	73	70	26
175.0	23.3	93	90	70	67	72	69	25
200.0	25.0	92	89	67	64	71	68	25
250.0	28.1	90	87	62	59	69	66	24
300.0	30.9	89	86	58	55	67	64	24
400.0	38.3	87	84	48	45	64	61	23
500.0	43.0	86	83	43	40	61	58	22

- Impedance: 100 ±5 Ω
- Velocity of propagation: 74 %
- DC Loop Resistance: 145 Ω/km
- DC Resistance Unbalance: ≤2 %
- Transfer Impedance: ≤50 mΩ/m at 1 MHz
 ≤100 mΩ/m at 10 MHz
 ≤200 mΩ/m at 30 MHz

ORDERING INFORMATION

P/N	DESCRIPTION		
GGM C6AF4PZHTM	4 pairs CAT6A U/FTP 100 Ω 550 MHz LSZH	white	1 000 m drum
GGM C6AF4PZHT5	4 pairs CAT6A U/FTP 100 Ω 550 MHz LSZH	white	500 m drum
GGM C6AF4PZHT3	4 pairs CAT6A U/FTP 100 Ω 550 MHz LSZH	white	305 m drum
GGM C6AF2X4ZHT5	2 x 4 pairs CAT6A U/FTP 100 Ω 550 MHz LSZH	white	500 m drum