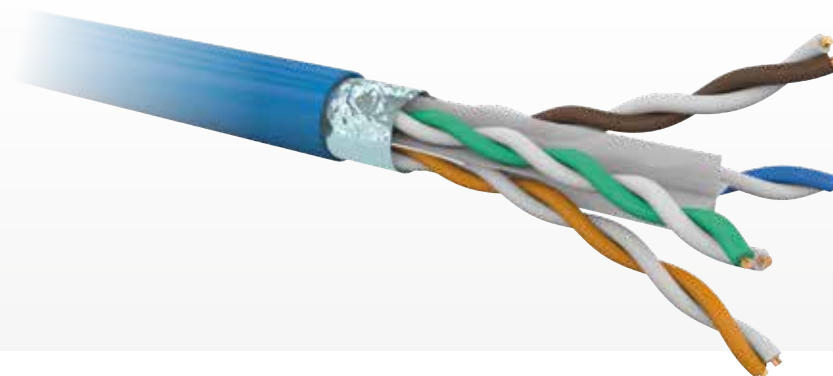


CAT6 F/UTP LSZH Dca 350 MHz



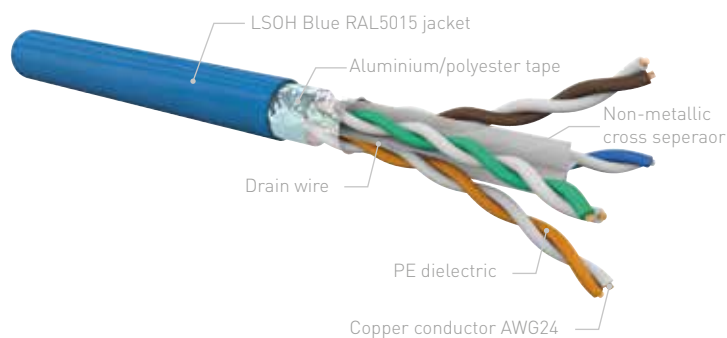
APPLICATIONS

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

MECHANICAL CHARACTERISTICS

ITEM	JACKET	CONDUCTORS	INSULATION (MM)	EXTERNAL DIAMETER (MM)	GROSS WEIGHT (KG)	BENDING RADIUS (MM)	INSTALLATION TENSION (N)
4	LSZH	AWG24	1,13	7,1	42	60	160
2x4	LSZH	AWG24	1,13	7,1 x 14,4	85	60	160

- Temperature rating (operation): 0 °C to +50 °
- Temperature rating (installation): -20 °C à +60 °C
- Standards: ANSI/TIA-568-C.2
EN50173
ISO/IEC11801
- Fire behaviour:
EN 13501-6 : Dca, s2, d1, a1 (4p)
Dca, s2, d2, a1 (2x 4p)
EN 50575, EN 50399, EN 60332-1-2



CABLE MARKED

4P : GIGAMEDIA EN 50173 CAT6 F/UTP LSZH- C6F4PZH -TP007A - Dca-s2,d1,a1 NVP 70% 4PAIR 24 AWG

2x 4P : GIGAMEDIA EN 50173 CAT6 F/UTP LSZH- C6F2X4PZH -TP016A - Dca-s2,d2,a1 NVP 70% 2X4PAIR 24 AWG

TRANSMISSION PERFORMANCE

FREQUENCY (MHz)	ATTENUATION (dB/100 m)	RETURN LOSS (dB)	NEXT (dB/100 m)	PSNEXT (dB/100 m)	ACR (dB/100 m)	ELFEXT (dB/100 m)	PS-ELFEXT (dB/100 m)
1	1,4	22,7	87,3	82,75	85,9	88,80	86,63
4	3,4	25,8	83,5	82,91	80,1	80,37	78,95
8	5,1	27,7	73,5	71,68	68,4	75,6	73,55
10	6,1	27,8	72,4	70,64	66,3	75,43	72,71
16	7,6	27,5	76,6	73,75	69	72,22	70,90
20	8,7	27,8	71,7	69,79	63	69,81	67,02
25	9,9	28	68,6	67,18	58,7	66,85	64,53
31,25	11	27	70,7	68,04	59,7	65,8	63,87
62,5	15,1	26,2	65,2	62,95	50,1	58,51	56,78
100	19,5	27,8	59,8	58,77	40,3	61,06	58,86
200	27,5	26,3	54,4	51,49	26,9	53,21	50,25
250	31	22,6	51,1	49,12	20,1	50,26	47,55
300**	33,8	21	54	51,21	20,2	51,43	47,88

- Insulation resistance (500 V): $\geq 5000 \text{ M}\Omega \cdot \text{km}$
- Propagation delay: $\leq 427 \text{ ns}/100\text{m}$
- Delay skew: $\leq 12 \text{ ns}/100\text{m}$
- Transfer impedance: at 1 MHz $\leq 40 \text{ m}\Omega/\text{m}$
- at 10 MHz $\leq 40 \text{ m}\Omega/\text{m}$
- at 30 MHz $\leq 50 \text{ m}\Omega/\text{m}$
- at 100MHz $\leq 200 \text{ m}\Omega/\text{m}$

- Coupling attenuation: 55 dB
- Characteristic impedance: (1-100 MHz) $(100 \pm 15) \Omega$
- (100 - 250) MHz $(100 \pm 18) \Omega$
- NVP : 70%
- Loop resistance: 190 Ω/km

ORDERING INFORMATION

P/N	DESCRIPTION	
GGM C6F4PZHTM	4 pairs AWG24 CAT6 F/UTP bleu Dca	Drum 1000 m
GGM C6F4PZHT5	4 pairs AWG24 CAT6 F/UTP bleu Dca	Drum 500 m
GGM C6F4PZHT3	4 pairs AWG24 CAT6 F/UTP bleu Dca	Drum 305 m
GGM C6F4PZHCl	4 pairs AWG24 CAT6 F/UTP bleu Dca	Coil 100 m
GGM C6F2X4PZHT5	2 x 4 pairs AWG24 CAT6 F/UTP bleu Dca	Drum 500 m