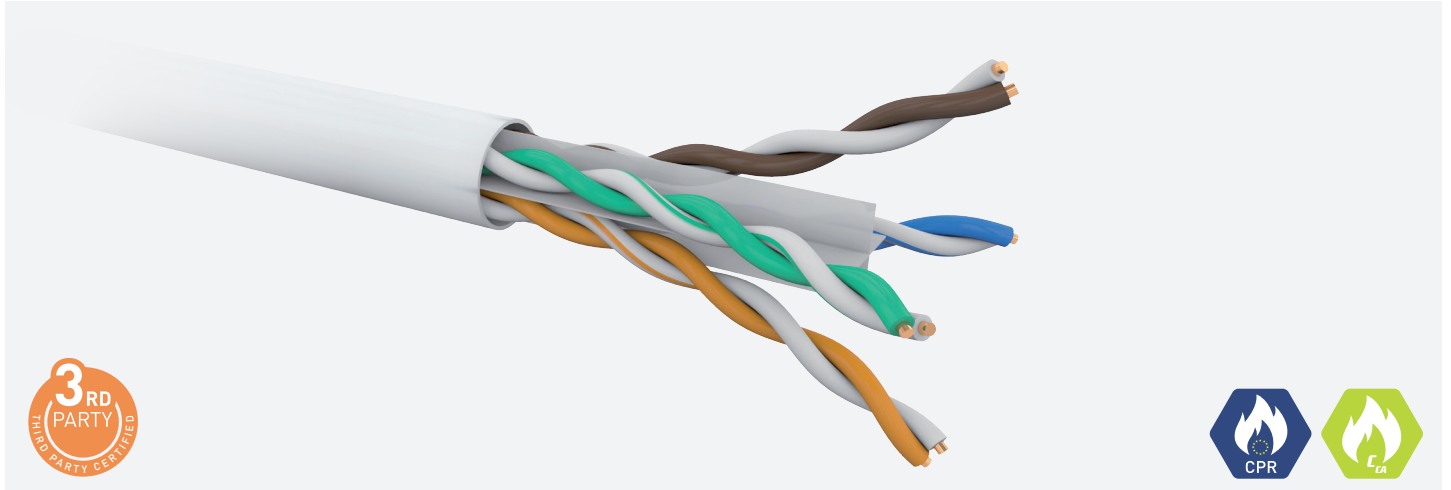




CAT6 U/UTP LSZH-FR Cca CABLE

GGM C6UHR4FRxx



APPLICATIONS

- ▶ IEEE802.3: 5GBase-T, 2.5GBase-T, 1000Base-T, 100Base-Tx, 10Base-T
- ▶ IEEE 802.3af: PoE
- ▶ IEEE 802.3at: PoE+

New CAT6 U/UTP cable limiting fire propagation.

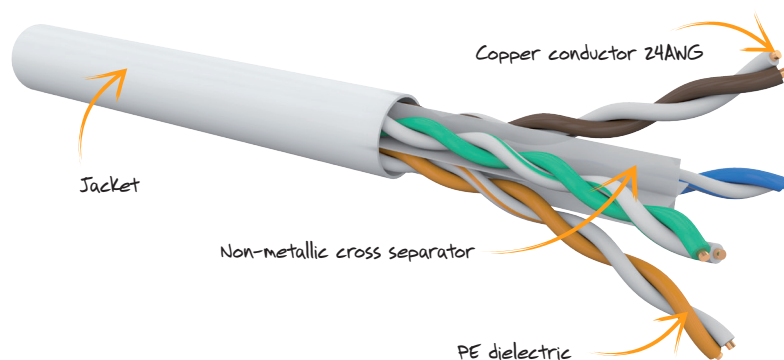
It is specially designed to meet the latest construction product regulation EU 305/2011 & EN 50575 standards, and is certified Cca-s1a, d1, a1.

The cable has been designed to exceed the requirements of ISO/IEC 11801 and EN 50173 for Category 6 components. The performance headroom provided makes it a reliable and safe choice to support all class E applications including 5 Gigabit Ethernet and PoE.

MECHANICAL CHARACTERISTICS

- ▶ Jacket: LSZH-FR
- ▶ Conductors: AWG24
- ▶ Insulation: 0.95 mm
- ▶ External diameter: 5.8 mm
- ▶ Bending radius (operationnal): 4 x OD
- ▶ Bending radius (installation): 8 x OD
- ▶ Installation tension: 110 N
- ▶ Temperature rating:
 - 20 °C to +60 °C (installation)
 - 0 °C to +50 °C (operation)
- ▶ Standards:
 - ANSI/TIA-568.2-D (CAT6), EN50173 CAT6,
 - ISO/IEC11801 2nd Ed. Amd 2 CAT6,
 - IEC 61156-5 : Ed.2.0
- ▶ Fire behaviour: EN 13501-6: Cca-s1a, d1, a1
EN 50575, EN 50399, EN 60332-3-24





CABLE MARKED

GIGAMEDIA EN50173 CAT6 U/UTP LSZH-FR C6UHR4FR-TP035A Cca NVP 67% 4 PAIRS 24AWG

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
1	100 ±15	2.0	74.3	72.3	67.8	64.8	20.0	570.0	45
4		3.8	65.3	63.3	55.8	52.8	23.0	552.0	
10		6.0	59.3	57.3	47.8	44.8	25.0	545.4	
16		7.6	56.3	54.3	43.7	40.7	25.0	543.0	
20		8.5	54.8	52.8	41.8	38.8	25.0	542.0	
31.25		10.7	51.9	49.9	37.9	34.9	23.6	540.4	
62.5		15.4	47.4	45.4	31.9	28.9	21.5	538.6	
100		19.8	44.3	42.3	27.8	24.8	20.1	537.6	
125		22.4	42.8	40.8	25.9	22.9	19.4	537.2	
200		29.0	39.8	37.8	21.8	18.8	18.0	536.6	
250		32.8	38.3	36.3	19.8	16.8	17.3	536.3	

- ▶ Loop resistance: ± 176 Ω/km
- ▶ Insulation resistance (500 V): ± 5000 MΩ/km
- ▶ Capacitance @ 800 Hz nom.: 48 nF/km
- ▶ Impedance: 100 ±5 Ω
- ▶ Velocity of propagation: 67 %

P/N	DESCRIPTION		
GGM C6UHR4FRU1	4 pairs CAT6 U/UTP AWG24 LSZH Cca	White	100 m box
GGM C6UHR4FRTU3	4 pairs CAT6 U/UTP AWG24 LSZH Cca	White	305 m reel in box
GGM C6UHR4FRT5	4 pairs CAT6 U/UTP AWG24 LSZH Cca	White	500 m drum
GGM C6UHR4FRYT5	4 pairs CAT6 U/UTP AWG24 LSZH Cca	Yellow	500 m drum