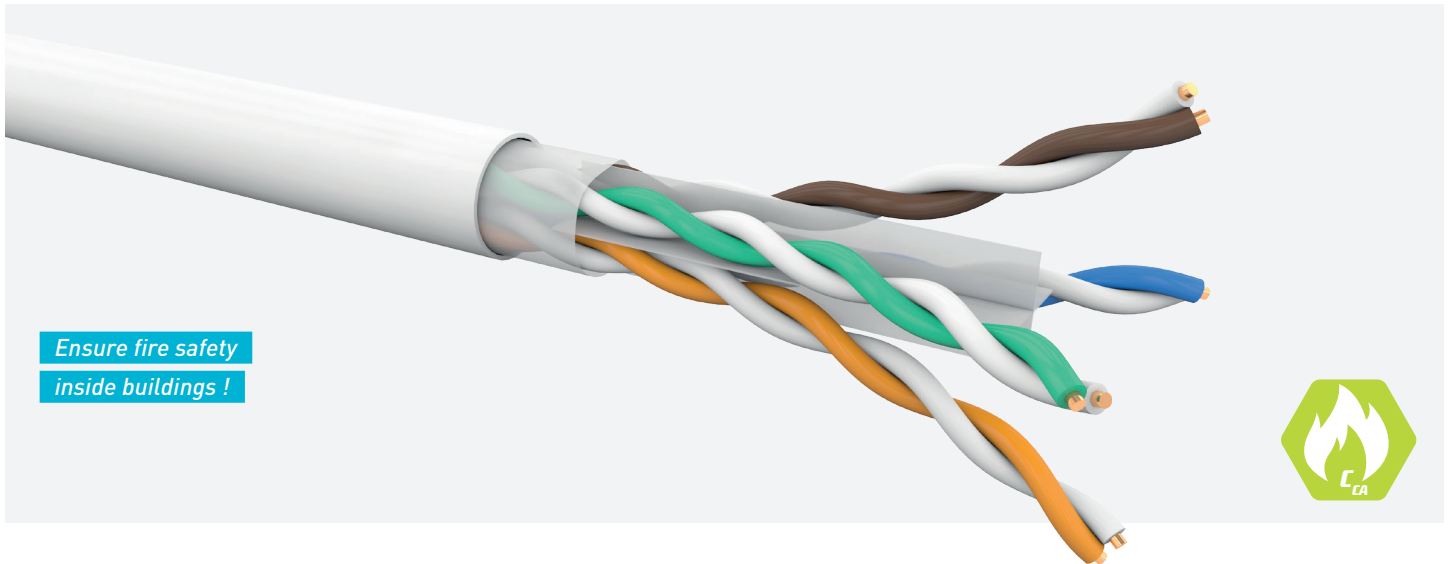




CAT6A U/UTP LSZH-FR Cca GGM C6AU4PFRxx



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:** PoE
- ▶ **IEEE 802.3at:** PoE+
- ▶ **IEEE 802.3bt:** 4 PPoE

This series of cables meets and exceeds the requirement of Category 6A and ISO 11801 or EN 50173 Class EA when associated with GIGAMEDIA High Performance RJ45 jacks.

It is the ideal solution when deploying 10Gbit/s capable Network cabling Infrastructure. It is also backward compatible with relevant application standards such as 1000BASE-T and other applications.

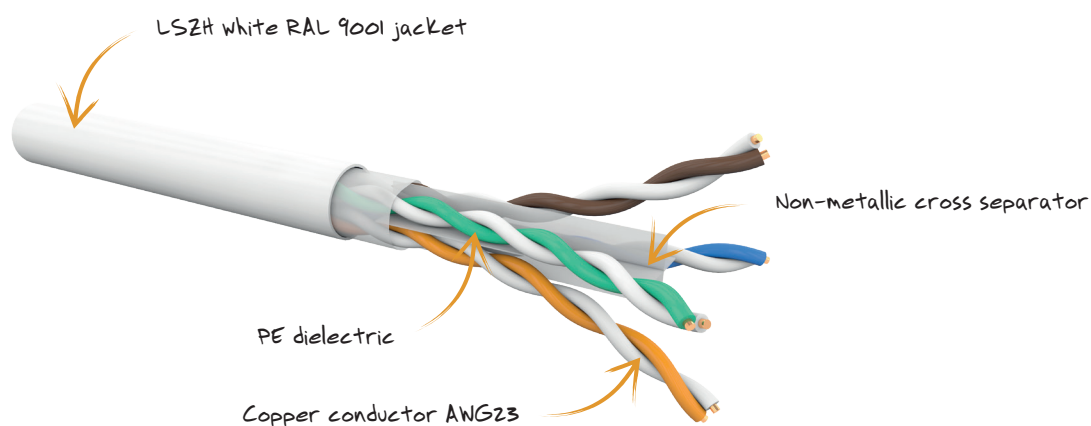
The user is guaranteed to use a CAT6A component cable that also has a high level of Fire performance: LSZH & Fire retardant in accordance with IEC 60332-3 & EN 50267 to meet latest European regulation (CPR).

MECHANICAL CHARACTERISTICS

- ▶ Pairs: 4
- ▶ Jacket: LSZH-FR
- ▶ Conductors: AWG23
- ▶ Insulation: 1.12 mm
- ▶ External diameter: 7.2 mm
- ▶ Gross weight: 37 kg
- ▶ Bending radius: 57.6 mm
- ▶ Installation tension: 80 N
- ▶ Temperature rating:
0 °C to +50 °C (installation)
-20 °C to +60 °C (operation)
- ▶ Standards:
ANSI/TIA-568.2-D ; EN50173 ; ISO/IEC11801
- ▶ Fire behaviour:
EN 13501-6: Cca-s1, d1, a1
EN 50575, EN 50399, EN 60332-1-2

CABLE MARKED

GIGAMEDIA EN 50173 CAT6A U/UTP LSZH-FR -C6AU4PFR -TP028A – Cca NVP 67%
4PAIR 23 AWG [lot n°] XXXXXX m



TRANSMISSION PERFORMANCE

FREQUENCY (MHz)	ATTENUATION (dB/100 m)	NEXT (dB/100 m)	PSNEXT (dB) min	ACRF (dB) min	PSACRF (dB) min	RETURN LOSS (dB) min	PROPAGATION DELAY (NS) max
1	2.1	74.3	72.3	67.8	68.8	20	570
4	3.8	65.3	63.3	55.8	52.8	23	552
8	5.3	60.8	58.5	49.7	46.7	24.5	547
10	5.9	59.3	57.3	47.8	44.8	25	545
16	7.5	56.2	54.2	43.7	40.7	25	543
20	8.4	54.8	52.8	41.8	38.8	25	542
25	9.4	53.3	51.3	39.8	36.8	24.3	541
31.25	10.5	51.9	49.9	37.9	34.9	23.6	540
62.5	15	47.4	45.4	31.9	28.9	21.5	539
100	19.1	44.3	42.3	27.8	24.8	20.1	538
200	27.6	39.8	37.8	21.8	18.8	18	537
250	31.1	38.3	36.3	19.8	16.8	17.3	536
300	34.3	37.1	35.1	18.3	15.3	16.8	536
400	40.1	35.5	33.3	15.8	12.8	15.9	536
500	45.3	33.8	31.8	13.8	10.8	15.2	536

- ▶ Insulation resistance (500V): $\pm 5000 \text{ M}\Omega/\text{km}$
- ▶ Delay skew: $\leq 45 \text{ ns}/100 \text{ m}$
- ▶ DC resistance unbalance: $\leq 2 \%$
- ▶ NVP: 67 %
- ▶ Characteristic impedance: $100 \pm 15 \Omega$

PART NUMBER	DESCRIPTION		
GGM C6AU4PFRTU3	4 pairs CAT6A U/UTP LSZH-FR Cca	White	305 m (reel-in-box)
GGM C6AU4PFRT5	4 pairs CAT6A U/UTP LSZH-FR Cca	White	500 m (drum)