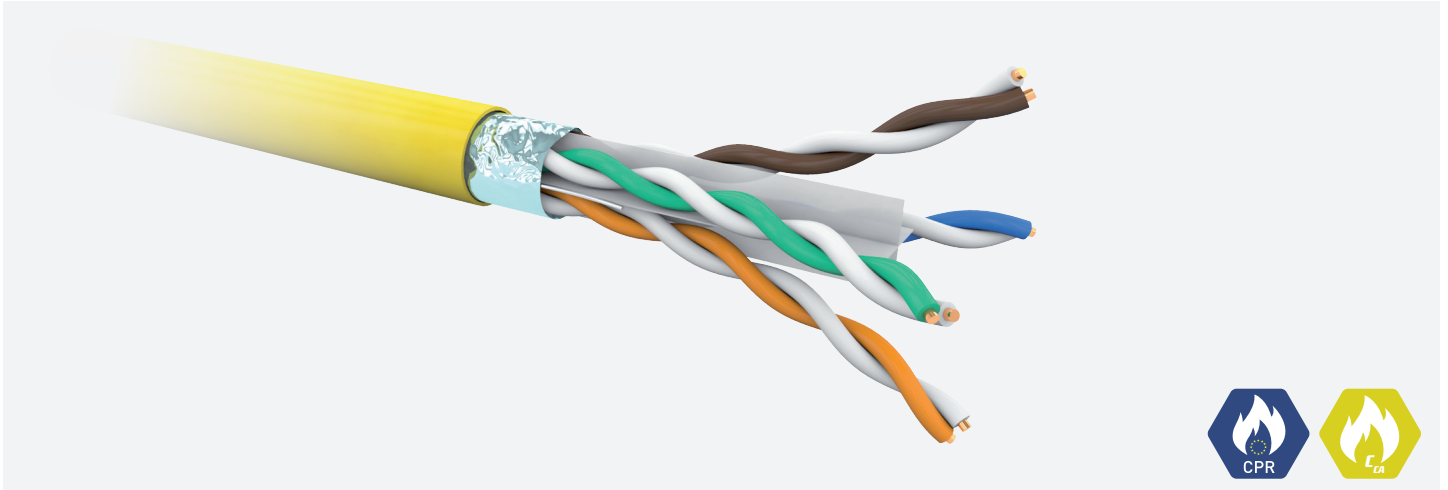




CAT6 F/UTP LSZH Cca GGM C6FU4PFRT5



APPLICATIONS

- ▶ IEEE802.3: 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

ENSURE Fire Safety inside Buildings !

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

It is the ideal solution when deploying 5Gbits capable Network cabling Infrastructure. It is also backward compatible with relevant application standards such as 1000BASE-T and other applications.

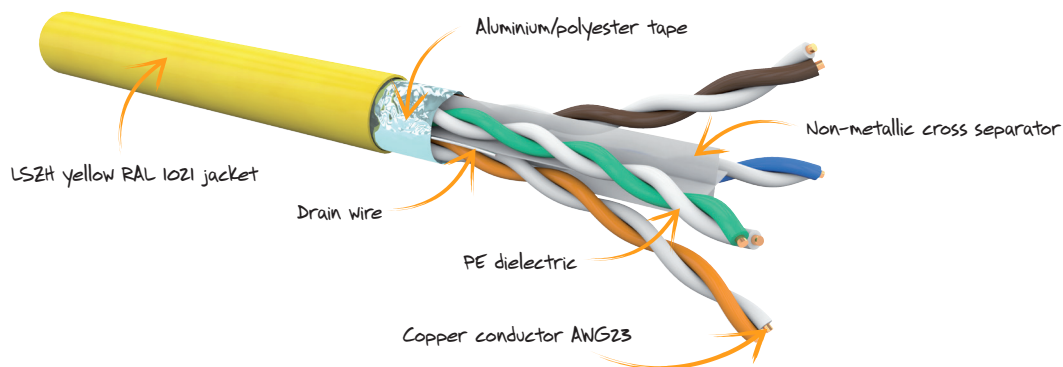
The user is guaranteed to use a CAT6 component cable that also has a high level of Fire performance: LSZH & Fire retardant in accordance with IEC 60332-3 & EN 50267 to meet latest European regulation (CPR).

MECHANICAL CHARACTERISTICS

- ▶ Pairs: 4
- ▶ Jacket: LSZH
- ▶ Conductors: AWG23
- ▶ Insulation: 1.12 mm
- ▶ External diameter: 7.4 mm
- ▶ Gross weight: 37 kg
- ▶ Bending radius: 59.2 mm
- ▶ Installation tension: 80 N
- ▶ Temperature rating:
 - 0 °C to +50 °C (installation)
 - 20 °C to +70 °C (operation)
- ▶ Standards:
 - ANSI/TIA-568.2-D ; EN50173 ; ISO/IEC11801
- ▶ Fire behaviour: EN 13501-6 : Cca-s1a, d1, a1
EN 50575, EN 50399, EN 60332-1-2

CABLE MARKED

GIGAMEDIA EN 50173 CAT6 F/UTP LSZH-FR -C6UF4PFR -TP033A – Cca NVP 69% 4PAIR 23 AWG [lot n°] XXXXXX m



TRANSMISSION PERFORMANCE

FREQUENCY (MHZ)	ATTENUATION (DB/100M)	RETURN LOSS (DB)	NEXT (DB/100M)	PSNEXT (DB/100M)	ACR (DB/100M)	ELFEXT (DB/100M)	PS-ELFEXT (DB/100M)
1	-	20	74.3	72.3	-	67.8	64.8
4	3.8	23	65.3	63.3	61.5	55.8	52.8
8	5.3	24.5	60.8	58.8	55.5	49.7	46.7
10	6.0	25	59.3	57.3	53.3	47.8	44.8
16	7.6	25	56.2	54.2	48.6	43.7	40.7
20	8.5	25	54.8	52.8	46.3	41.8	38.8
25	9.5	24.3	53.3	51.3	43.8	39.8	36.8
31.25	10.7	23.6	51.9	49.9	41.2	37.9	34.9
62.5	15.4	21.5	47.7	45.4	32.3	31.9	28.9
100	19.8	20.1	44.3	42.3	24.5	27.8	24.8
200	29.0	18	39.8	37.8	10.8	21.8	18.8
250	32.9	17.3	38.3	36.3	5.4	19.8	16.8

- ▶ Propagation delay: ≤ 535 ns/100m
- ▶ Delay skew: ≤ 45 ns/100m
- ▶ Loop resistance: ≤ 190 Ω /km
- ▶ DC resistance unbalance: ≤ 2 %
- ▶ NVP: 69 %
- ▶ Characteristic impedance: 100 ± 15 Ω

PART NUMBER	DESCRIPTION		
GGM C6FU4PFR5	4 pairs AWG24 CAT6 F/UTP LSZH Cca	yellow	500 m (drum)