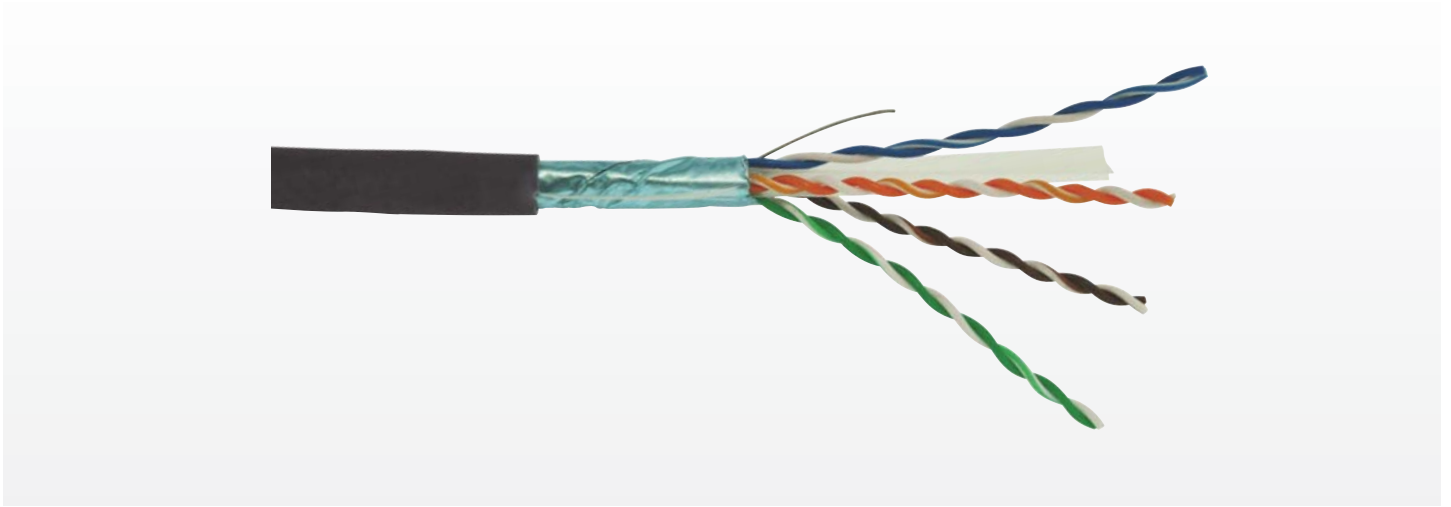




CAT6 F/UTP PE UV RESISTANT 400 MHZ



APPLICATIONS

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

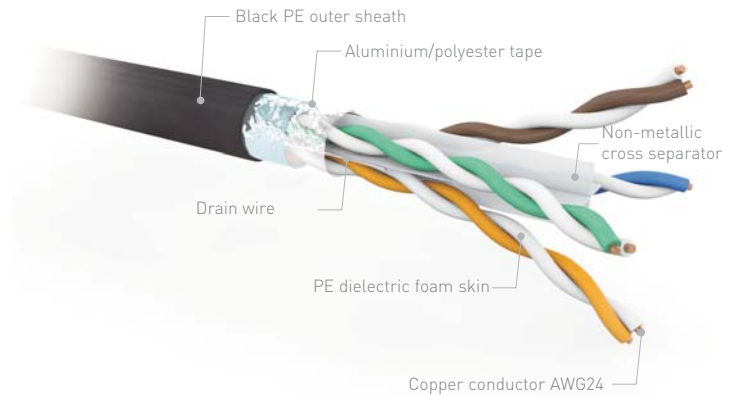
GIGAMEDIA CAT6 solution is designed to meet and exceed the performance levels described in the published cabling standards ISO/ IEC 11801, and ANSI/TIA/EIA 568C series and EN50173-1. The performance headroom provided makes it a reliable and safe choice to support all Class E applications including Gigabit Ethernet and PoE.

This cable comes with a black improved polyethylene outer sheath that offers UV and moisture resistance.

MECHANICAL CHARACTERISTICS

ITEM	JACKET	CONDUCTORS	INSULATION (MM)	EXTERNAL DIAMETER (MM)	BENDING RADIUS (MM)	INSTALLATION TENSION (N)
4	PE	AWG24	1.14	7.4	≥ 4 x OD without load ≥ 8 x OD with load	80

- Temperature rating (operation): 0°C to +50°C
- Temperature rating (installation): -20°C to +60°C



CABLE MARKED

GIGAMEDIA ETL VERIFIED ANSI/TIA-568-C.2 CATEGORY 6 F/UTP PE OUTDOOR CABLE 4 PAIR 24 AWG Lot n° + sequential meter marking



TRANSMISSION PERFORMANCE

FREQUENCY MHz	ATTENUATION dB/100m	RETURN LOSS dB	NEXT dB/100m	P.S NEXT dB/100m	ACR dB/100m	ELFEXT dB/100m	P.S ELFEXT dB/100m
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

- Conductor resistance: 93.8 Ω/km 20°C max
- Mutual Capacitance: 5.6 nF/100m max
- Resistance Unbalance: 5% max
- Capacitance Unbalance: 330pF/100m max
- Coupling attenuation : 55 dB
- Impedance : (1-100 MHz) (100 ± 15) Ω
- NVP : 79%
- Loop resistance : 180 Ω/km

ORDERING INFORMATION

P/N	DESCRIPTION	
GGM C6F4PPEC1	4 pairs CAT6 F/UTP AWG24 400 MHz Black PE	100 m coil
GGM C6F4PPET3	4 pairs CAT6 F/UTP AWG24 400 MHz Black PE	305 m drum

VOTRE INTERLOCUTEUR CONSEIL