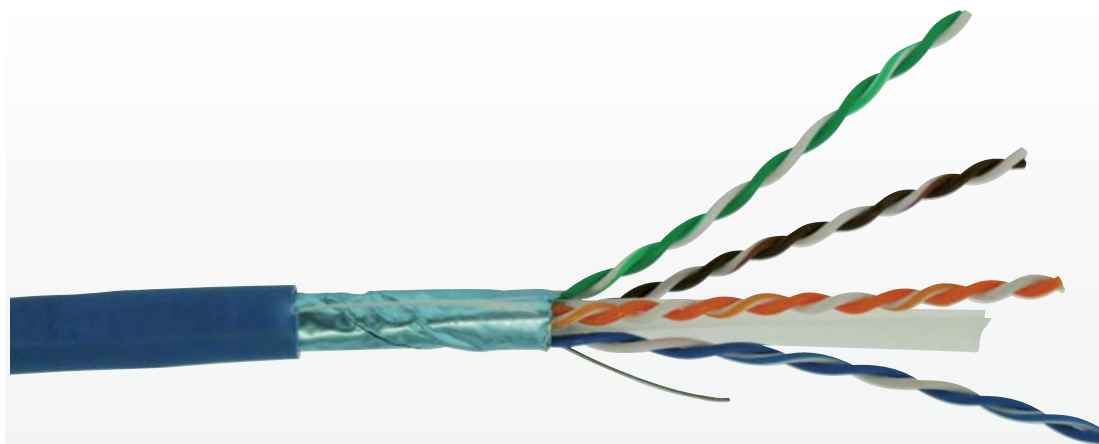


GIGAMEDIA CAT6 F/UTP SOLID CABLE GGM C6F4PZHxx



APPLICATIONS

- Specifically designed to comply with performance requirements.
- Meet and exceed all TIA/EIA 568 C.2 CAT6 cable performances
- IEEE 802.5 16 MB and IEEE802.3 : 10Base-T; 100Base-T; 1000Base-T;

STANDARDS

- EIA/TIA 568-C.2
- ISO/IEC 11801; IEC 61156-5 ; EN50173-1 ; EN50288-6-1

FLAME RATING

- IEC 60332-1; IEC60754-2; IEC61034 (LSOH)

CONSTRUCTION

- **Conductors** : Bare copper conductor \varnothing 0.51 mm (AWG24) with polyethylene insulation
- **Insulation** : Polyethylene, \varnothing 1.14 mm
- **Assembly** : 4 twisted pairs with different pitches, non-metallic cross separator (spline)
- **External outsheet** : LSOH Blue RAL 5012
- **Outer diameter** : 7.7 mm
- **Cable marked** : GIGAMEDIA - CAT6 F/UTP 4P 400MHZ 100 OHMS LSOH AWG 24 - ISO/IEC 11801 EN 50173 - Lot ° xxx m

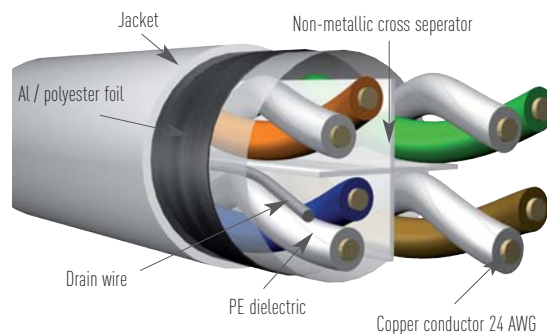
ITEM	EXTERNAL DIAMETRE (MM)	BEND RADIUS MINIMUM (MM)		Ø OF CONDUCTORS INSULATION (MM)	TEMPERATURE RATING INSTALLATION	INSTALLATION TENSION (N)
4 pairs	7.7	operationnal 4XOD	installation 8XOD	-- 1.14	0 °C +50°C	80

MECHANICAL CHARACTERISTICS

- **Bending radius**
 - \pm 4 x OD without load
 - \pm 8 x OD with load
- **Temperature rating**
 - 20°C to + 60°C during operation
 - 0°C to + 50°C during installation

ELECTRICAL CHARACTERISTICS (20°C ± 5°C)

• Loop Résistance	± 176 Ohm/km
• Insulation resistance (500 V)	± 5000 m Ohm/km
• Capacitance @ 800 Hz nom.	48 nF/km
• Unbalanced capacity (pairs/floor)	Max. 330 pF / 100 m at 1 kHz
• Impedance (1-250 MHz)	(100 ± 22) Ohm
• Velocity of propagation	nom. 76 %
• Propagation delay	± 535 ns/100 m
• Skew delay	± 20 ns/100 m



TRANSMISSION PERFORMANCE

FREQUENCY (MHZ)	IMPEDANCE (OHMS)	ATTENUATION (dB)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
1		1.4	87.3	82.75	88.80	86.63
4		3.4	83.5	82.91	80.37	78.95
10		6.1	72.4	70.64	75.43	72.71
16	100	7.6	76.6	73.75	72.22	70.90
20	± 15	8.7	71.7	69.79	69.81	67.02
31.25		11	70.7	68.04	65.80	63.87
62.5		15.1	65.2	62.95	58.51	56.78
100		19.5	59.8	58.77	61.06	58.86
200	± 22	27.5	54.4	51.49	53.21	50.25
250		31.0	51.1	49.12	50.26	47.55
300**		33.8	54	51.21	51.43	47.88

ORDERING INFORMATION

P/N	DESCRIPTION
GGM C6F4PZHT3	4 Pairs AWG24 Cat.6 F/UTP BLUE LSOH - Drum 305 m
GGM C6F4PZHTM	4 Pairs AWG24 Cat.6 UTP BLUE LSOH - Drum 1000m
GGM C6F4PZHT5	4 Pairs AWG24 Cat.6 UTP BLUE LSOH - Drum 500 m

YOUR CONTACT NAME