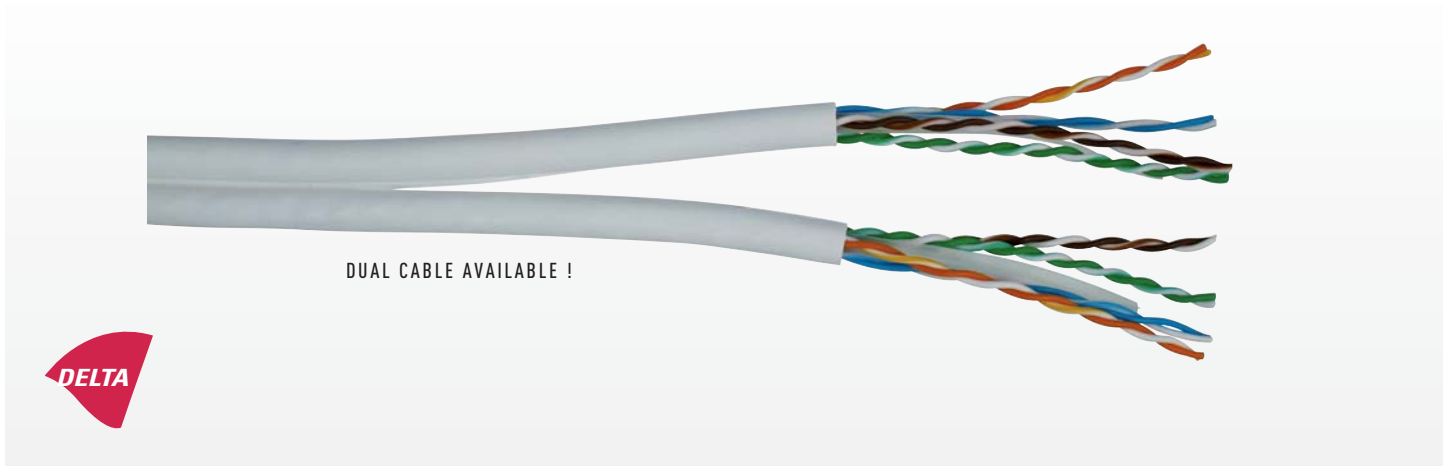




## GIGAMEDIA CAT6 U/UTP SOLID CABLE GGM C6U4PZHBxx



### APPLICATIONS

- Specifically designed for a high level of performance
- Meet and exceed ANSI/TIA 568 C.2 CAT6 component performance criterias
- 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 (LSZH)

### CONSTRUCTION

- **Conductors** : Bare copper conductor AWG23 with polyethylene insulation
- **Insulation** : Polyethylene, Ø 1.0mm
- **Assembly** : 4 twisted pairs with different pitches, non-metallic cross separator
- **External outsheet** : LSZH White RAL 9010
- **Outer diameter** : 4 pairs : 6.2mm - 2x4 pairs : 6.2x12.4mm
- **Cable mark** : 4 pairs : GIGAMEDIA - CATEGORY 6 U/UTP LSOH 4 PAIR 23 AWG - ANSI/TIA 568-C.2 CAT6 EC VERIFIED - Lot ° xxx m  
2x4 pairs : GIGAMEDIA - CATEGORY 6 U/UTP LSOH 2x4 PAIRS 23 AWG - ANSI/TIA 568-C.2 CAT6 EC VERIFIED - Lot ° xxx m

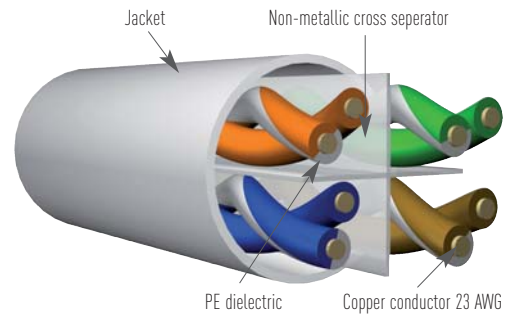
### MECHANICAL CHARACTERISTICS

- **Bending radius**            ± 4 x OD without load  
                                      ± 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 Ohms/km
• Insulation resistance (500 V)	± 5000m Ohms/km
• Capacitance @ 800 Hz nom.	48nF/km
• Unbalanced capacity (pairs/floor)	Max. 150pF/100m at 1kHz
• Impedance (1-250 MHz)	(100 ± 22) Ohms
• Velocity of propagation	nom. 67%
• Propagation delay	± 535ns/100m
• Skew delay	± 20ns/100m



## TRANSMISSION PERFORMANCE

FREQUENCY (MHZ)	IMPEDANCE (OHMS)	ATTENUATION (dB)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
1		1.9	78	75	82	80
4		3.8	69	66	70	68
10		6.0	63	60	62	60
16	100	7.6	60	57	58	56
20	± 15	8.5	59	56	56	54
31.25		10.7	56	53	52	50
62.5		15.1	51	48	46	44
100		19.1	48	45	42	40
125	100	21.3	47	44	40	38
200	± 22	27.0	44	41	36	34
250		32.0	42	39	34	32

## ORDERING INFORMATION

P/N	DESCRIPTION
<b>GGM C6U4PZHBU1</b>	4 Pairs AWG23 Cat.6 UTP WHITE LSOH - Box 100m
<b>GGM C6U4PZHBU3</b>	4 Pairs AWG23 Cat.6 UTP WHITE LSOH - Box 305m
<b>GGM C6U4PZHBT5</b>	4 Pairs AWG23 Cat.6 UTP WHITE LSOH - Drum 500m
<b>GGM C6U2X4ZHBT5</b>	2x4 Pairs AWG23 Cat.6 UTP WHITE LSOH - Drum 500m

## RELATED PRODUCT



P/N	DESCRIPTION
<b>GGM 907X501</b>	Adjustable stripping tool
<b>GGM 907CUT15S</b>	Flush cutter
<b>GGM PRJC6UTL</b>	Toolless C6 UTP white Keystone jack
<b>GGM PRJC6UTLTK</b>	Toolless C6 UTP black Keystone jack
<b>GGM PRJC6UTL24</b>	Pack of 24 pcs of toolless C6 UTP white Keystone jack
<b>GGM PANC6U24P</b>	Pack of 24 pcs of toolless C6 UTP white Keystone jack with 19" Empty patch panel