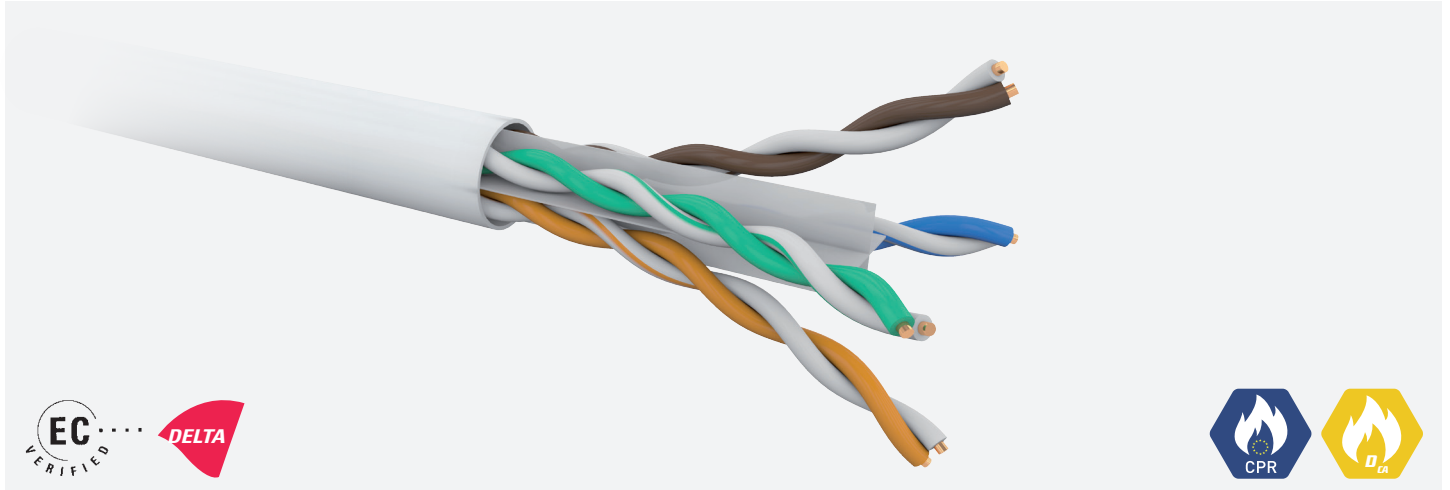




E-SLIM CAT6 U/UTP LSZH Dca CABLE

GGM C6UHRxx



APPLICATIONS

- ▶ IEEE802.3: 5GBase-T, 2.5GBase-T, 1000Base-T, 100Base-Tx, 10Base-T
- ▶ IEEE 802.3af: PoE
- ▶ IEEE 802.3at: 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.

MECHANICAL CHARACTERISTICS

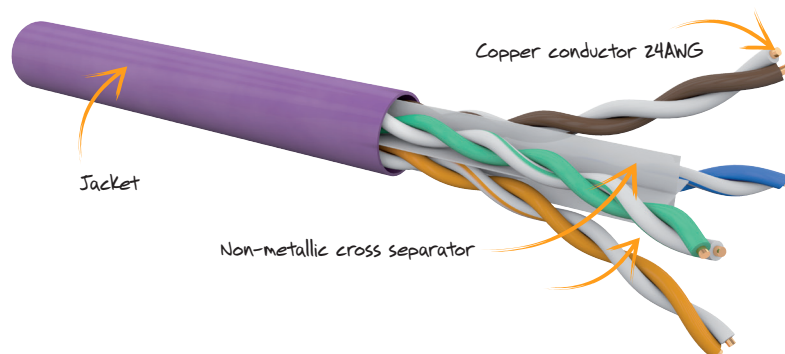
ITEM	4	2X4
Jacket	LSZH-FR	LSZH
Conductors	AWG24	AWG24
Insulation	0.95 mm	0.95 mm
External diameter	5.4 mm	5.4 x 11.8 mm
Bending radius (operationnal)	4 x OD	4 x OD
Bending radius (installation)	8 x OD	8 x OD
Installation tension	110 N	220 N

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

- ▶ Standards:
ANSI/TIA-568.2-D (CAT6), EN50173 CAT6,
ISO/IEC11801 2nd Ed. Amd 2 CAT6,
IEC 61156-5 : Ed.2.0

- ▶ Fire behaviour: EN 13501-6: Dca s2,d2,a1
EN 50575, EN 50399, EN 60332-3-24





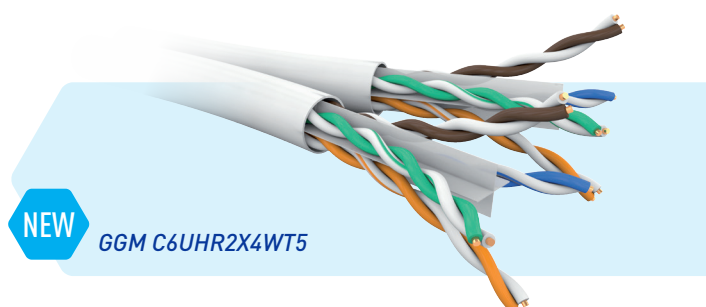
CABLE MARKED

4P : GIGAMEDIA EN50173 CAT6 U/UTP LSZH C6U4PZH-TP013A Dca NVP 67% 4 PAIRS 24AWG [lot n°] XXX m

TRANSMISSION PERFORMANCE

FREQUENCY (MHZ)	IMPEDANCE (Ω)	ATTENUATION (DB) MAX	NEXT (DB) MIN	PSNEXT (DB) MIN	ACRF (DB) MIN	PSACRF (DB) MIN	RETURN LOSS (DB) MIN	PROPAGATION DELAY (NS) MAX	DELAY SKEW (NS) MAX
1	100 ±15	2.0	74.3	72.3	67.8	64.8	20.0	570.0	45
4		3.8	65.3	63.3	55.8	52.8	23.0	552.0	
10		6.0	59.3	57.3	47.8	44.8	25.0	545.4	
16		7.6	56.3	54.3	43.7	40.7	25.0	543.0	
20		8.5	54.8	52.8	41.8	38.8	25.0	542.0	
31.25		10.7	51.9	49.9	37.9	34.9	23.6	540.4	
62.5		15.4	47.4	45.4	31.9	28.9	21.5	538.6	
100		19.8	44.3	42.3	27.8	24.8	20.1	537.6	
125		22.4	42.8	40.8	25.9	22.9	19.4	537.2	
200		29.0	39.8	37.8	21.8	18.8	18.0	536.6	
250		32.8	38.3	36.3	19.8	16.8	17.3	536.3	

- ▶ Loop resistance: ± 176 Ω/km
- ▶ Insulation resistance (500 V): ± 5000 MΩ/km
- ▶ Capacitance @ 800 Hz nom.: 48 nF/km
- ▶ Impedance: 100 ±5 Ω
- ▶ Velocity of propagation: 67 %



P/N	DESCRIPTION		
GGM C6UHR4WU1	4 pairs CAT6 U/UTP Slim AWG24 LSZH Dca	White	100 m box
GGM C6UHR4WU3	4 pairs CAT6 U/UTP Slim AWG24 LSZH Dca	White	305 m box
GGM C6UHR4WTU3	4 pairs CAT6 U/UTP Slim AWG24 LSZH Dca	White	305 m reel in box
GGM C6UHR4WT5	4 pairs CAT6 U/UTP Slim AWG24 LSZH Dca	White	500 m drum
GGM C6UHR2X4WT5	2 x 4 pairs CAT6 U/UTP Slim AWG24 LSZH Dca	White	500 m drum
GGM C6UHR4PU3	4 pairs CAT6 U/UTP Slim AWG24 LSZH Dca	Purple	305 m box
GGM C6UHR4PT5	4 pairs CAT6 U/UTP Slim AWG24 LSZH Dca	Purple	500 m drum