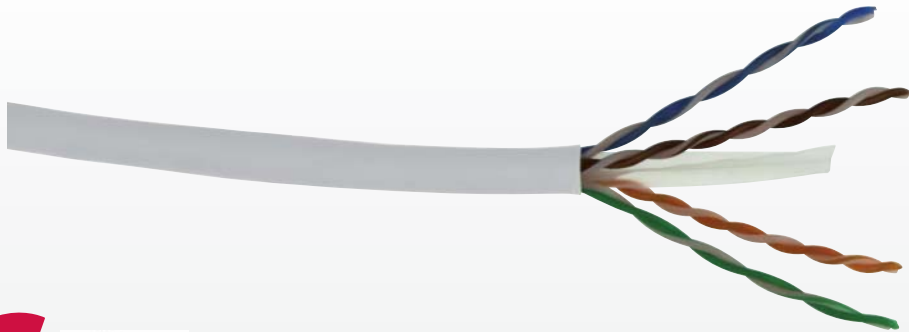


CAT6 U/UTP SLIM SOLID CABLE



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

FLAME RATING

- EN 50575 : Dca s2 d2 a1
- EN 50399
- IEC 60332-1
- IEC 60754-2 ; IEC 61034

STANDARDS

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

CONSTRUCTION

- **Conductors** : bare copper conductor \varnothing 0.53 mm (AWG24) with polyethylene insulation
- **Insulation** : polyethylene, \varnothing 0.95 mm
- **Assembly** : 4 twisted pairs with different pitches, non-metallic cross separator (spline)
- **External outsheet** : LSOH white RAL 9010 or purple RAL 4005
- **Outer diameter** : 5.2 mm
- **Cable marked** : GIGAMEDIA EN50173 CAT6 U/UTP LSZH C6U4PZH-TP013A Dca NVP 67% 4 PAIRS 24AWG [lot n°] XXX m

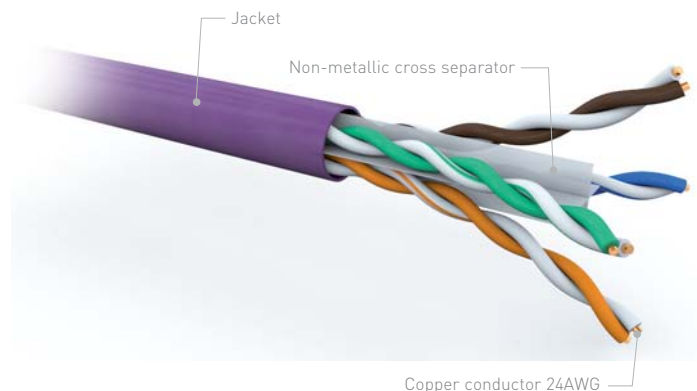
ITEM	EXTERNAL DIAMETRE (MM)	BEND RADIUS MINIMUM (MM)		Ø OF CONDUCTORS INSULATION (MM)	TEMPERATURE RATING INSTALLATION	INSTALLATION TENSION (N)
4 pairs	5.2	operationnal 4XOD	installation 8XOD	-- 0.95	0 °C +50°C	100

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 ± 176Ω/km
- Insulation resistance (500V) ± 5000MΩ/km
- Capacitance @ 800Hz nom. 48nF/km
- Unbalanced capacity (pairs/floor) Max. 150pF/100m at 1kHz
- Impedance (1-250MHz) (100 ± 22)Ω
- Velocity of propagation nom. 67%



TRANSMISSION PERFORMANCE

FREQUENCY (MHZ)	IMPEDANCE (OHMS)	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		2.0	74.3	72.3	67.8	64.8	20.0	570.0	
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	100 ±15	10.7	51.9	49.9	37.9	34.9	23.6	540.4	45
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	

ORDERING INFORMATION

P/N	DESCRIPTION
GGM C6UHR4WU1	4 pairs CAT6 Slim UTP white LSOH box 100 m
GGM C6UHR4WU3	4 pairs CAT6 Slim UTP white LSOH box 305 m
GGM C6UHR4WT5	4 pairs CAT6 Slim UTP white LSOH drum 500 m
GGM C6UHR4PU3	4 pairs CAT6 Slim UTP purple LSOH box 305 m
GGM C6UHR4PT5	4 pairs CAT6 Slim UTP purple LSOH drum 500 m