GIGANEED

TECHNICAL DATASHEET

CAT 6

U/UTP · LSZH

Cat 6 U/UTP Network Cable

GIGA-C6-U-CCA · Solid copper · Cca

CABLE TODAY · WONDERFUL TOMORROW

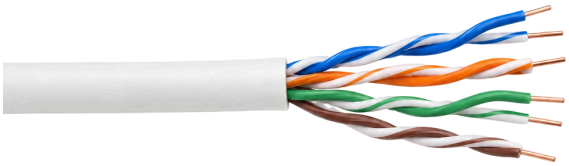
Cat 6 | U/UTP | 23 AWG | Cca-s1,d1,a1

OVERVIEW

The GigaNeed GIGA-C6-U-CCA is a rigid Cat 6 U/UTP cable for horizontal voice and data cabling. Its four unshielded twisted pairs use 23 AWG solid copper, with an LSZH jacket rated Cca-s1,d1,a1.

KEY SPECIFICATIONS

Category	Cat 6
Construction	4 unshielded twisted pairs
Conductor	23 AWG solid copper
Insulation	Polyolefin
Jacket	LSZH
Outer diameter	6.5 ± 0.4 mm
Cable weight	Approx. 36.6 kg/km
Reaction to fire	Cca-s1,d1,a1



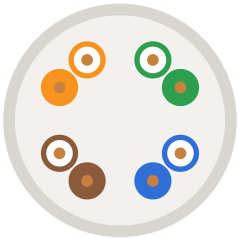
Product image for illustration.

FEATURES

- Frequency up to 250 MHz
- 1000BASE-T Gigabit Ethernet
- 10GBASE-T on links shorter than 50 m
- 305 m box or 500 m reel
- Maximum tensile force: 80 N

FREQUENCY PERFORMANCE (SELECTED POINTS)

MHz	Attenuation dB/100 m max	NEXT dB min	PS-NEXT dB min
1	2.03	74.3	72.3
4.0	3.78	65.3	63.3
8.0	5.32	60.8	58.8
10.0	5.95	59.3	57.3
16.0	7.55	56.2	54.2



Cable construction
Four unshielded twisted pairs. Diagram is illustrative.

OPERATING CONDITIONS

Storage	−20 °C to +70 °C
Operating	−20 °C to +70 °C
Installation	−5 °C to +50 °C
Minimum bend radius	23 mm

REFERENCED STANDARDS

ISO/IEC 11801 · ANSI/TIA-568-C.2 · IEC 61156-5 · IEC 60332-1-2 · IEC 60754-2 · EN 50288-6-1 · EN 50173 · EN 60332-1-2 · EN 50575

Specifications may change without notice.