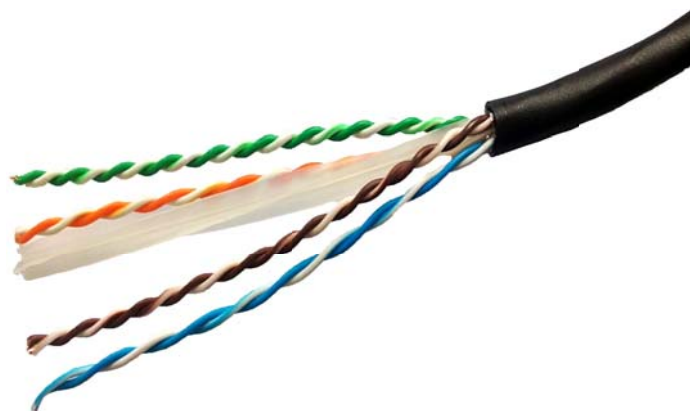
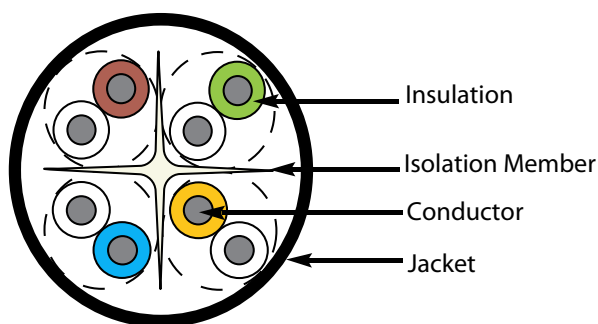


The Giganet Cabling Solutions products have been designed and manufactured to top international quality standards for end-to-end Category 6 cabling installations in both horizontal and backbone areas.

The Giganet Category 6 UTP cables are manufactured and tested to the TIA/EIA 568-B.2-1, EN50173-1 and ISO/ IEC 11801 Category 6 specifications. Each cable consists of 8 colour coded 23AWG polyethylene insulated conductors. These are twisted together to form 4 pairs with varying lay lengths. These pairs are then formed around a central 'X' shaped polyethylene filler. This filler assists in maintaining and enhancing the cables performance. A jacket of UV and moisture resistant polyethelene is applied making this cable ideal for outdoor installation.

The printing detail along the outer sheath includes the cable part code, specification detail and our new 305 to 0 metre marked system. As the cable is dispensed from the box the sequential marking counts down from 305 to 0 metres, as well as reducing waste and accounting easily for cables installed, this innovative print legend finally removes the guesswork from assessing the amount of cable remaining in partly used boxes.

Due to the risk of lightning or over-voltage damage both ends of the external cable must be fitted with equipment suitable for protecting the computer system and operators from a direct or indirect lightning strike or other overvoltage situation. These devices are available in many forms, but are usually system specific and you will need to contact the manufacturer of these devices to ensure the requirements of the network is met.



CABLE CHARACTERISTICS

External Grade
Insulation Thickness - 0.23mm or 0.0091inches
Outdoor type
Four Number of Pairs
UV and Moisture Resistant Polyethelene Outer Sheath
Supports Gigabit Ethernet
23AWG {0.575mm (0.023 in.)} conductor
Insulation - HDPE
Jacket - PE

PRODUCT INFORMATION

Part Number	Product Description
GN-6X4-UTP-LDPE-305	Giganet Category 6 UTP 4 Pair Outdoor LDPE Cable 305m drum





COPPER CATEGORY 6 UTP CABLING SYSTEM

Giganet Category 6 Unshielded Twisted Pair Outdoor Cable

APPLICATION

Suitable for duct and underground conduit applications
 Rugged black polyolefin jacket
 UV resistant jacket

ELECTRICAL SPECIFICATIONS

Conductor Resistance 93.8 Ω/km 20°C Max
 Mutual Capacitance 5.6 nF/100m Max.
 Resistance Unbalance 5% Max.
 Capacitance Unbalance 330 pF/100m Max.
 Impedance F<=200: 100±15Ω, F>200: 100± 22Ω

PERFORMANCE / SPECIFICATION TABLE

Frequency (MHz)	Attenuation Max. (dB/100m)	Pr-Pr NEXT (Min. dB ≥100m)	PS NEXT (Min. dB ≥100m)	ACR (Min. dB)	Pr-Pr FEXT (Min. dB/100m)	PS ELFEXT (Min. dB/100m)
0.772	1.8	76.0	74.0	74.2	70.0	67.0
1	2.0	74.3	72.3	72.3	67.8	64.8
4	3.8	65.3	63.3	61.5	55.7	52.7
8	5.4	60.8	58.8	55.4	49.7	46.7
10	6.0	59.3	57.3	53.3	47.8	44.8
16	7.7	56.3	54.3	48.6	43.7	40.7
20	8.6	54.8	52.8	46.2	41.7	38.7
25	9.6	53.3	51.3	43.7	39.8	36.8
31.25	10.8	51.9	49.9	41.1	37.9	34.9
62.5	15.7	47.4	45.4	31.7	31.8	28.8
100	20.2	44.3	42.3	24.1	27.8	24.8
200	29.8	39.8	37.8	10.0	21.7	18.7
250	33.8	38.3	36.3	4.6	19.8	16.8

STANDARDS

ANSI/TIA/EIA-568-B.2-1
 ISO/IEC 11801:2002 (Category 6)
 IEC 61156-5:2002 (Category 6)
 LS0H: IEC 60332-1, IEC 60332-3, IEC 60754
 UL 444, 444(13), EN 50173, EN 50167 (LS0H)

System Warranty:

The Giganet System Warranty provides the end user an exclusive 25 year warranty when installed by a Giganet Certified Installer providing 100% coverage on non consumable products, application assurance and labour covering both link and channel using Giganet cable and connectivity. The warranty requested will depend on the class of cabling based on compliance to Industry standards using an approved performance tester.

The warranty can be applied online at http://www.giga-net.co.uk/warranty_form.html by an accredited Giganet Partner who has installed the end-to-end Infrastructure solution.