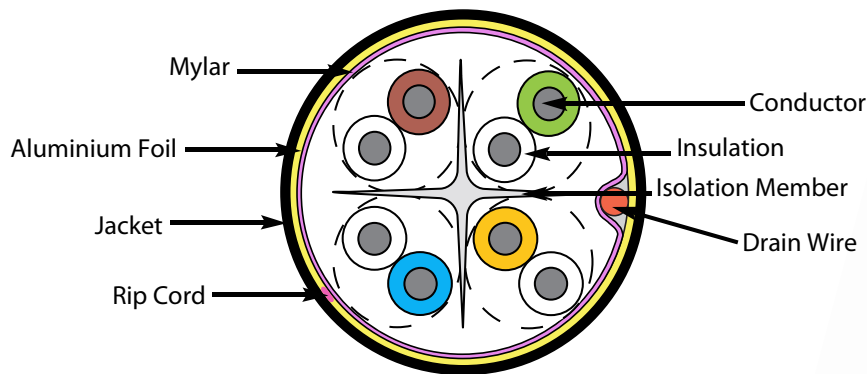


The Giganet Cabling Solutions products have been designed and manufactured to top international quality standards for end-to-end Category 6 cabling installations in both horizontal and backbone areas.

The Giganet Category 6 F/UTP - foil screened - cables are manufactured and tested to the TIA-568-C.2, EN50173-1 and ISO/IEC 11801 Category 6 specifications. Each cable consists of 8 colour coded 23AWG polyethylene insulated, solid bare copper, 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 clear Mylar tape is then wrapped around this unit and a foil tape screen with 24AWG drain wire applied. The foil screen provides protection from Electromagnetic Interference (EMI) which can occur when data is transmitted at high frequencies.



CABLE CHARACTERISTICS

Overall Foil Tape Screen
LSOH Outer Sheath
Outdoor type
Supplied various reel sizes
UV and Moisture Resistant Polyethelene Outer Sheath
Central 'X' filler
23AWG {0.575mm (0.023 in.)} conductor
25 Year System Warranty
Jacket - PE

PRODUCT INFORMATION

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



APPLICATION

High speed horizontal cabling
Digital Video
100 Mbps TPDDI
1000BASE-T Gigabit Ethernet
622 Mbps ATM

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 100±15Ω

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/ 568-C.2
UL 444, UL1581

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.