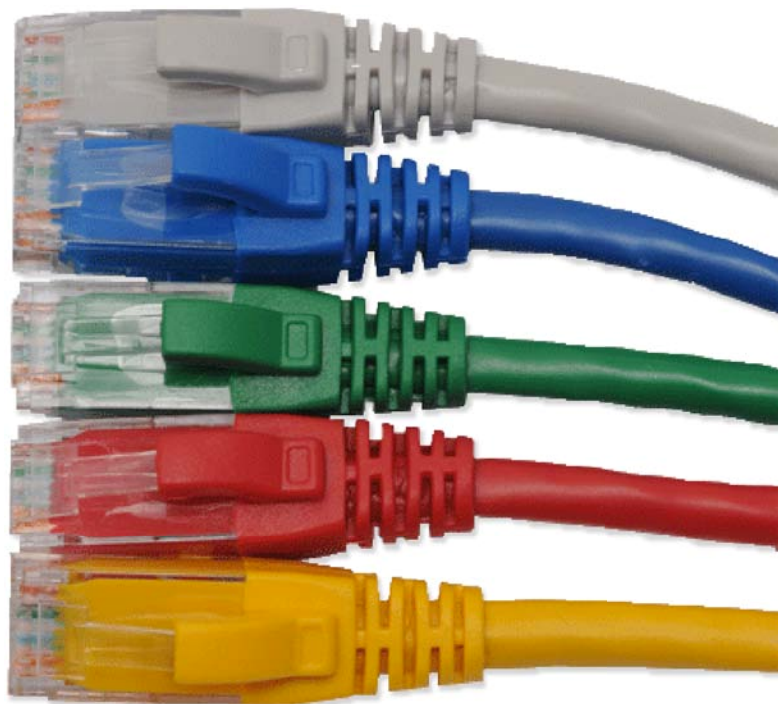The Giganet Cabling solution products have been designed and manufactured to top International standards for end-to-end Category 6 UTP installations in both horizontal and backbone areas.

The Giganet 4 pair UTP RJ45 patch leads are manufactured from stranded conductor cable and verified to Cat 6 TIA/EIA-568-B.2-1 standards. Available for flexible and cost effective Cat 6 installations.

The Giganet Category 6 patch cords when used with high performance Giganet Category 6 connectivity (solid UTP cable, patch panels and work area outlets) provide superior performance capabilities of high bandwidth applications support.

FEATURES

Unshielded 4 pair twisted multi-stranded cable
Colours: grey, blue, green, red and yellow
½m, 1m, 3m and 5m lengths available from stock
Highly flexible
Jacket: 0.453mm 75°C PVC
Insulation: 0.153mm polyolefin
HDPE insulation over conductors and PVC jacket
Unshielded 8P8C Plugs
Meets all requirements for Gigabit Ethernet
ISO/IEC 11801 transmission requirement for stranded wire
UL, CSA & ETL verified
Tested and verified to TIA/EIA -568-B.2-1
Moulded strain-relief boots
Stranded copper conductor
50 micron gold plated RJ45 connector
Individually packed in Poly bag
Suitable for high density Blade Network equipment

PRODUCT INFORMATION

Part Number	Product Description
GN-C6-PC-005M-XXX	Giganet Category 6 UTP ½ metre Patch Cord
GN-C6-PC-01M-XXX	Giganet Category 6 UTP 1 metre Patch Cord
GN-C6-PC-03M-XXX	Giganet Category 6 UTP 3 metre Patch Cord
GN-C6-PC-05M-XXX	Giganet Category 6 UTP 5 metre Patch Cord

XXX is Colour

GRY = Grey BLU = Blue GRN = Green RED = Red YEL = Yellow

GIGANET 25 Year System Warranty

* Other colors available on request

PERFOMANCE / SPECIFICATION TABLE

Frequency (MHz)	Return Loss (dB)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	FLEXT (dB/100m)	PSELFEXT (dB/100m)	Delay (ns/100m)
1	22.7	2.0	74.2	72.2	77.3	69.5	570.0
4	29.8	4.0	73.0	63.0	65.0	57.3	552.0
10	34.6	6.5	67.3	56.8	49.6	49.0	545.4
16	31.3	8.2	63.0	54.0	45.5	44.9	543.0
20	29.4	9.2	58.2	51.3	43.6	42.9	542.0
31.25	24.8	11.6	48.0	46.6	46.0	39.1	540.4
62.5	19.0	16.7	42.9	40.8	41.8	33.9	538.6
100	18.4	21.4	40.2	36.9	39.4	31.2	537.6
150	18.8	24.7	41.7	39.7	24.3	21.3	536.9
200	15.3	31.1	35.2	31.9	30.8	24.0	536.5
250	18.1	35.0	30.8	25.4	31.5	22.9	536.3

Nominal velocity of propagation (NVP 69%)

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.