

## GigaBase® Cat5e Shielded Patch Cables

CAT5e performance and a high protection against EMI

- 100% Copper Conductors
- Moulded Snagless Boots
- Available in a range of Colours
- Meets or Exceeds Cat5e Specification
- F/UTP Foil Shielded Twisted Pair Construction
- Tested and verified with Black Box Channel solution
- Low Smoke Zero Halogen



### Cat5e

#### Grey

0.5 m	EVE530-00M5
1 m	EVE530-01M
2 m	EVE530-02M
3 m	EVE530-03M
5 m	EVE530-05M
7.5 m	EVE530-07M5
10 m	EVE530-10M



#### Yellow

0.5 m	EVE534-00M5
1 m	EVE534-01M
2 m	EVE534-02M
3 m	EVE534-03M
5 m	EVE534-05M
7.5 m	EVE534-07M5
10 m	EVE534-10M



#### Blue

0.5 m	EVE531-00M5
1 m	EVE531-01M
2 m	EVE531-02M
3 m	EVE531-03M
5 m	EVE531-05M
7.5 m	EVE531-07M5
10 m	EVE531-10M



#### Beige

0.5 m	EVE535-00M5
1 m	EVE535-01M
2 m	EVE535-02M
3 m	EVE535-03M
5 m	EVE535-05M
7.5 m	EVE535-07M5
10 m	EVE535-10M



#### Green

0.5 m	EVE532-00M5
1 m	EVE532-01M
2 m	EVE532-02M
3 m	EVE532-03M
5 m	EVE532-05M
7.5 m	EVE532-07M5
10 m	EVE532-10M



#### Orange

0.5 m	EVE536-00M5
1 m	EVE536-01M
2 m	EVE536-02M
3 m	EVE536-03M
5 m	EVE536-05M
7.5 m	EVE536-07M5
10 m	EVE536-10M



#### Red

0.5 m	EVE533-00M5
1 m	EVE533-01M
2 m	EVE533-02M
3 m	EVE533-03M
5 m	EVE533-05M
7.5 m	EVE533-07M5
10 m	EVE533-10M



#### Black

0.5 m	EVE537-00M5
1 m	EVE537-01M
2 m	EVE537-02M
3 m	EVE537-03M
5 m	EVE537-05M
7.5 m	EVE537-07M5
10 m	EVE537-10M



## Specification Cat5e

### Connectors

Material: RJ45 contacts 50µ Inch Gold  
 Housing: Moulded Snag proof  
 with Strain Relief

Jacket  
 Material: LS0H  
 Flammability: IEC60332-1-2  
 Thickness: 0.50mm  
 Diameter: 5.60 mm

### Conductors

Material: Stranded Copper  
 Size: 26 AWG  
 Construction: 7/0.152 ± 0.015mm

### Electrical Characteristics

Spark Test: 2000 ± 250 V AC  
 Dielectric Strength: 2500 V DC / 3 seconds  
 Insulation Resistance: min 150 MΩ/km  
 Resistance: 9.38 Ω / 100m at 20°C  
 Capacitance (Pair – Gnd): max 330 pF/100m  
 Mutual Capacitance: max 5600 pF/100m

### Insulation

Material: HDPE  
 Thickness: min at any point 0.15mm  
 max average 0.20mm  
 Diameter: 0.8 ± 0.06mm

### Impedance

1~100 MHz 100 Ω ±15%

### Shield

Material: Aluminium Mylar  
 Thickness: 0.250mm  
 Drain Wire: Tinned Copper  
 Size: 30 AWG  
 Construction: 7/0.121 ± 0.005mm

### Propagation Delay

100 MHz 548 ns/100m max.

## Attenuation to crosstalk ratio and near end cross-talk (NEXT)

Frequency	Power Sum ACRF (dB/100m)	NEXT (dB) min	Power Sum NEXT (dB) min
1 MHz	54.4	65.3	62.3
4 MHz	42.4	56.3	53.3
8 MHz	36.3	51.8	48.8
10 MHz	34.4	50.3	47.3
16 MHz	30.3	47.2	44.2
20 MHz	28.4	45.8	42.8
25 MHz	26.4	44.3	41.3
31.25 MHz	24.5	42.9	39.9
62.5 MHz	18.5	38.4	35.4
100 MHz	14.4	35.3	32.8