

## GigaTrue® Cat6 Shielded S/FTP Patch Cables

CAT6 performance and a high protection against EMI

- 100% Copper Conductors
- Moulded Snagless Boots
- Available in a range of Colours
- Meets or Exceeds Cat6 Specification
- S/FTP Braid over individually Foil Shielded Twisted Pairs
- Tested and verified with Black Box Channel solution
- Low Smoke Zero Halogen



### Cat6

#### Grey

- 0.5 m EVE630-00M5
- 1 m EVE630-01M
- 2 m EVE630-02M
- 3 m EVE630-03M
- 5 m EVE630-05M
- 7.5 m EVE630-07M5
- 10 m EVE630-10M



#### Yellow

- 0.5 m EVE634-00M5
- 1 m EVE634-01M
- 2 m EVE634-02M
- 3 m EVE634-03M
- 5 m EVE634-05M
- 7.5 m EVE634-07M5
- 10 m EVE634-10M



#### Blue

- 0.5 m EVE631-00M5
- 1 m EVE631-01M
- 2 m EVE631-02M
- 3 m EVE631-03M
- 5 m EVE631-05M
- 7.5 m EVE631-07M5
- 10 m EVE631-10M



#### Beige

- 0.5 m EVE635-00M5
- 1 m EVE635-01M
- 2 m EVE635-02M
- 3 m EVE635-03M
- 5 m EVE635-05M
- 7.5 m EVE635-07M5
- 10 m EVE635-10M



#### Green

- 0.5 m EVE632-00M5
- 1 m EVE632-01M
- 2 m EVE632-02M
- 3 m EVE632-03M
- 5 m EVE632-05M
- 7.5 m EVE632-07M5
- 10 m EVE632-10M



#### Orange

- 0.5 m EVE636-00M5
- 1 m EVE636-01M
- 2 m EVE636-02M
- 3 m EVE636-03M
- 5 m EVE636-05M
- 7.5 m EVE636-07M5
- 10 m EVE636-10M



#### Red

- 0.5 m EVE633-00M5
- 1 m EVE633-01M
- 2 m EVE633-02M
- 3 m EVE633-03M
- 5 m EVE633-05M
- 7.5 m EVE633-07M5
- 10 m EVE633-10M



#### Black

- 0.5 m EVE637-00M5
- 1 m EVE637-01M
- 2 m EVE637-02M
- 3 m EVE637-03M
- 5 m EVE637-05M
- 7.5 m EVE637-07M5
- 10 m EVE637-10M



## Specification Cat6

### Connectors

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

Jacket  
 Material: LS0H  
 Flammability: IEC60332-1-2  
 Thickness: 0.55mm  
 Diameter: 5.80 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%

### Braid Outer Shield

Material: Tinned Copper  
 Construction: 16 carriers x 5 strands / 0.10 mm  
 Coverage: Min 40%, Nom 48%

### Delay Skew

1-350 MHz 30 ns/100m max.

### Foil Pair Shield

Material: Aluminium Mylar  
 Thickness: 0.350mm

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

Frequency	Insertion Loss (dB/100m)	NEXT (dB) min	PS NEXT (dB) min	ACRF (dB) min	PS ACRF (dB/100m)	Return Loss (dB) min
1 MHz	2.1	74.3	72.3	63.3	60.3	19.0
4 MHz	4.0	65.3	63.3	51.2	48.2	19.0
10 MHz	6.3	59.3	57.3	43.3	40.3	19.0
16 MHz	8.0	56.2	54.2	39.2	36.2	18.0
20 MHz	9.0	54.8	52.8	37.2	34.2	17.5
31.25 MHz	11.4	51.9	49.9	33.4	30.4	16.5
62.5 MHz	16.5	47.4	45.4	27.8	24.3	14.0
100 MHz	21.3	44.3	42.3	23.3	20.3	12.0
150 MHz	25.1	41.4	39.4	23.9	20.9	18.8
200 MHz	31.5	39.8	37.8	17.2	14.2	9.0
250 MHz	35.0	38.3	36.3	15.3	12.3	8.0