

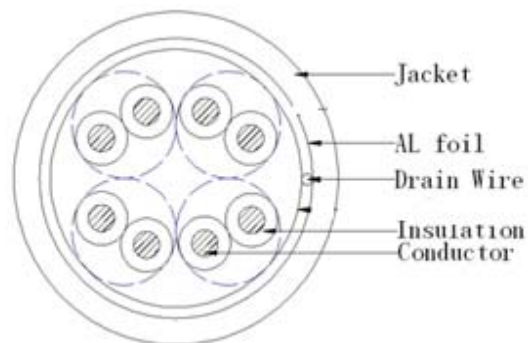


## Product Datasheet

ENGLISH

# 4 pair shielded Cat5e FTP patch 100m

RS Article No: 812-4801



**Cable Marking: Cat5e FTP patch cable 001M...100M**

### Application:

Generic Cabling systems, including 10/100 Base-T, ATM & Token Ring

### Reference Standard:

EIA/TIA568B & ISO/IEC 11801, IEC60332-1

Operating Temperature: -15~70°C

Voltage rating: 300V a.c.

### Construction:

Conductor: Strand Bare Copper

AWG: 26

Cross Sectional Area(mm<sup>2</sup>): 0.14

Conductor Dia. Nom. ( $\pm 0.020$ mm): 7/0.16

Insulation: PE

Insulation Dia. ( $\pm 0.07$ mm): 0.92

Drain: 7/0.18TC

AL-PET: 18\*0.05mm

Jacket: PVC

Average Thickness(mm): 0.60

Min. Point Thickness(mm): 0.50

Outer Dia. ( $\pm 0.3$ mm): 5.40

Rip Cord: No

### Color:

Insulation colors are: Blue, White/Blue Stripe; Orange, White/Orange Stripe;  
Green, White/Green Stripe; Brown, White/Brown Stripe

Jacket colors: Grey RAL7035



**Electrical Characteristics:**

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB/100m)	PSNEXT (dB)
1	3.4	65.3	62.3
4	7.0	56.3	53.3
10	11.1	50.3	47.3
16	13.9	47.3	44.3
20	15.6	45.8	42.8
31.25	19.9	42.9	39.9
62.5	28.9	38.4	35.4
100	37.4	35.3	32.3

Frequency (MHz)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)
1	63.8	60.8
4	51.7	48.7
10	43.8	40.8
16	39.7	36.7
20	37.7	34.7
31.25	33.9	30.9
62.5	27.9	24.8
100	23.8	20.8

**Impedance(1~100MHZ): 100+/-15**  
**Insulation resistance (500v): >=2000MOHM\*Km**  
**Conductor DC Resistance 20oC (ohms/km): <=165**  
**Resistance Unbalance (%): <=5**  
**VOP(%): 66.0**  
**Nominal Capacitance : 50(PF/M)**