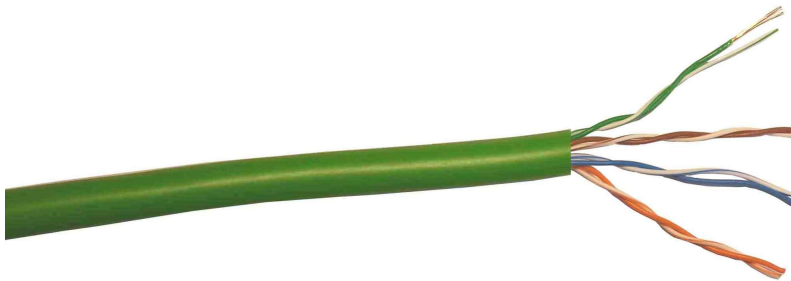


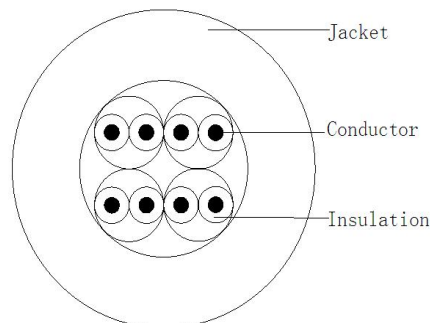
## Datasheet

# RS PRO Green Cat5 plus UTP patch cable 50m

Stock No: 812-4797



## Cross Section:



## Application:

- Horizontal Wiring in LAN
- Reference Standard:
- EIA/TIA568 & ISO/IEC 11801; IEC 60332-1
- 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. ( $\pm 0.05$ mm): 0.8

Twisted: 2C

Assembly: 4P

Jacket: PVC

Average Thickness(mm): 0.70

Outer Dia. ( $\pm 0.3$ mm): 5.20

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: Green RAL6018

## Cable Marking: Cat5e UTP patch cable 001M...50M

### Electrical Characteristics:

Pair-to-Ground Capacitance Unbalance (pF/m):  $\leq 3.3$

Max. Conductor DC Resistance 20°C (ohms/km): 150

Frequency (MHz)	Input Impedance (ohms)	Return loss (dB)	Attenuatio n (dB/100m)	NEXT (dB)
1	100 ± 15	20.0	3.4	65.3
4	100 ± 15	23.0	7.0	56.3
10	100 ± 15	25.0	11.1	50.3
16	100 ± 15	25.0	13.9	47.3
20	100 ± 15	25.0	15.6	45.8
31.25	100 ± 15	23.6	19.9	42.9
62.5	100 ± 15	21.5	28.9	38.4
100	100 ± 15	20.1	37.4	35.3

Frequency (MHz)	PSNEXT (dB)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)	SRL (dB)
1	62.3	63.8	60.8	23.0
4	53.3	51.7	48.7	23.0
10	47.3	43.8	40.8	25.0
16	44.3	39.7	36.7	25.0
20	42.8	37.7	34.7	25.0
31.25	39.9	33.9	30.9	23.6
62.5	35.4	27.8	24.8	21.5
100	32.3	23.8	20.8	20.1