

# PART NO. 926004SU

Cat 6 S/UTP PVC Ethernet Cable, 4 x 2 x 0.57 mm

## Detailed Specifications & Technical Data

### CROSS SECTION



1 Conductor
2 Insulation
3 Stranding
4 Seperator
5 Wrapping
6 Screen
7 Outer Jacket

### CABLE CONSTRUCTION

| | |
|---|---|
| Conductor | : Electrolytic solid copper conductor |
| Insulation | : Solid polyethylene insulation |
| Stranding | : Insulations are stranded into pairs |
| Seperator | : Pairs are stranded together with star shaped separator |
| Wrapping | : Polyester tape |
| Screen | : Tinned copper braiding |
| Outer Jacket | : UV resistant PVC outer jacket |

### TECHNICAL DATA

| | |
|---|---|
| Conductor Resistance Ω/km (20 °C) | : Max. 94 |
| Insulation Resistance MΩ/km (20 °C) | : 5000 |
| Mutual Capacitance nF/km | : Max. 56 |
| Resistance Unbalance | : %2 |
| Propagation Velocity | : %67-69 |
| Characteristic Impedance Ω (1-250 MHz) | : 100 ±%5 |
| Operating Voltage V DC | : 250 |
| Test Voltage V (DC. 1 minute) | : 1200 |

### STANDARDS

| | |
|---|---|
| Manufacturing | : ANSI/TIA-568-C.2, IEC-61156-5, IEC-11801 |
| Flame Retardancy Test | : IEC 60332-1-2, VDE 0482-332-1-2, BS EN 60332-1-2 |

### MECHANICAL CHARACTERISTICS

| | |
|---|---|
| Bending Radius | : 8.0xD mm |
| Temperature Range Operating | : -20°C ~ +60°C |

### CABLE TYPE DATA

| CAMCOM Part No. | Pair Count | Conductor Diameter (mm) | Approx. Cable Diameter (mm) | Copper Weight (kg/km) | Approx. Weight (kg/km) | Packing Lengths (m) |
|---|---|---|---|---|---|---|
| 926004SU | 4 | 0.57 | 6.6 | 36 | 64 | 100/500/1000 |

**Camcom** is proud to be certified by

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Designed in Netherlands & Produced Globally.

Prepared By : Steve Smith

Disclamer :- Datasheet is subject to modification without prior notication

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### ELECTRICAL PROPERTIES

| Frequency MHz | Insertion Loss dB/100m (Max.) | Near-end Crosstalk (NEXT) dB (Min.) | Power-sum Near-end Crosstalk (PSNEXT) dB (Min.) | Equal-level Far-end Crosstalk (ELFEXT) dB/100m (Min.) | Power-sum Equal Level Far- end Crosstalk (PSELFEXT) dB/100m (Min.) | Return Loss (RL) dB (Min.) |
|---|---|---|---|---|---|---|
| 1 | 2 | 74.3 | 72.3 | 67.8 | 64.8 | 20 |
| 4 | 3.8 | 65.3 | 63.3 | 55.8 | 52.8 | 23 |
| 8 | 5.3 | 60.8 | 58.8 | 49.7 | 46.7 | 24.5 |
| 10 | 6 | 59.3 | 57.3 | 47.8 | 44.8 | 25 |
| 16 | 7.6 | 56.2 | 54.2 | 43.7 | 40.7 | 25 |
| 20 | 8.5 | 54.8 | 52.8 | 41.8 | 38.8 | 24.3 |
| 25 | 9.5 | 53.3 | 51.3 | 39.8 | 36.8 | 23.6 |
| 31.25 | 10.7 | 51.9 | 49.9 | 37.9 | 34.9 | 21.5 |
| 62.5 | 15.4 | 47.4 | 45.4 | 31.9 | 28.9 | 20.1 |
| 100 | 19.8 | 44.3 | 42.3 | 27.8 | 24.8 | 18 |
| 200 | 29 | 39.8 | 37.8 | 21.8 | 18.8 | 17.3 |
| 250 | 32.8 | 38.3 | 36.3 | 19.8 | 16.8 | 16.8 |

### PRODUCT VIEW




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