

# PART NO. 935300FU

Cat 5e F/UTP LSOH SWB LSOH Ethernet Cable

## Detailed Specifications & Technical Data

### CROSS SECTION



1 Conductor
2 Insulation
3 Stranding
4 Wrapping
5 Screen
6 Inner Jacket
7 Armor
8 Outer Jacket

### CABLE CONSTRUCTION

| | |
|---|---|
| Conductor | : Electrolytic solid copper conductor |
| Insulation | : Solid polyethylene insulation |
| Stranding | : Insulations are stranded into pairs and all pairs are stranded together |
| Wrapping | : Polyester tape |
| Screen | : Tinned copper earthing wire, Al/PET tape |
| Inner Jacket | : UV resistant halogen-free inner jacket |
| Armor | : Steel wire braiding |
| Outer Jacket | : UV resistant halogen-free 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 (1-100 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 |
| Smoke Density Test | : IEC 61034-2, VDE 0482-1034-2, BS EN 61034-2 |
| Flame Retardancy Test | : IEC 60332-1-2, VDE 0482-332-1-2, BS EN 60332-1-2 |
| Corrosive Gas Test | : IEC 60754-2, VDE 0482-267-2-3, BS EN 50267-2-3 |
| Halogen-free Test | : IEC 60754-1, VDE 0482-267-2-1, BS EN 50267-2-1 |

### MECHANICAL CHARACTERISTICS

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

### CABLE TYPE DATA

| CAMCOM Part No. |
|---|
| 935300FU |

**Camcom** is proud to be certified by

Frame Offices - HQ, Alexanderveld 5-9,
2585 DB, Den Haag, Netherlands
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Designed in Netherlands & Produced Globally.

Prepared By : Steve Smith

Disclaimer :- 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 | 65,3 | 62,3 | 63,8 | 63,8 | 23 |
| 4 | 4.1 | 56,3 | 53,3 | 51,8 | 51,8 | 23 |
| 8 | 5.8 | 51,8 | 48,8 | 45,7 | 45,7 | 23 |
| 10 | 6.5 | 50,3 | 47,3 | 43,8 | 43,8 | 23 |
| 16 | 8.2 | 47,2 | 44,2 | 39,7 | 39,7 | 23 |
| 20 | 9.3 | 45,8 | 42,8 | 37,8 | 37,8 | 23 |
| 25 | 10.4 | 44,3 | 41,3 | 35,8 | 35,8 | 22 |
| 31.25 | 11.7 | 42,9 | 39,9 | 33,9 | 33,9 | 21 |
| 62.5 | 17 | 38,4 | 35,4 | 27,9 | 27,9 | 18 |
| 100 | 22 | 35,3 | 32,3 | 23,8 | 23,8 | 16 |

### PRODUCT VIEW




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