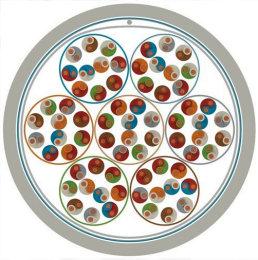


# PART NO. 933075FU

Cat 3 F/UTP LSOH Ethernet Cable, 75 x 2 x 0.51 mm

## Detailed Specifications & Technical Data

### CROSS SECTION



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

### CABLE CONSTRUCTION

| | |
|---|---|
| Conductor | : Electrolytic solid copper conductor |
| Insulation | : Solid polyethylene insulation |
| Stranding | : In layers up to 10 pairs, 20 pairs to 100 pairs consist of stranding of 10 pair groups wrapped with polypropylene identification tape |
| Wrapping | : Polyester tape |
| Screen | : Tinned copper earthing wire, Al/PET tape |
| 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 | : %5 |
| Propagation Velocity | : %67-69 |
| Characteristic Impedance Ω (1-16 MHz) | : 100 ±%5 |
| Operating Voltage V DC | : 230 |
| 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. | Pair Count | Conductor Diameter (mm) | Approx. Cable Diameter (mm) | Copper Weight (kg/km) | Approx. Weight (kg/km) | Packing Lengths (m) |
|---|---|---|---|---|---|---|
| 933075FU | 75 | 0.51 | 22.2 | 336.4 | 474 | 100/500/1000 |

### ELECTRICAL PROPERTIES

| Frequency MHz | Insertion Loss dB/100m (Max.) | Near-end Crosstalk (NEXT) dB (Min.) | Return Loss (RL) dB (Min.) | SRL dB/100m (Min.) | Propagation Delay nS/100m (Max.) |
|---|---|---|---|---|---|
| 1 | 2.6 | 41 | 23 | 12 | 570 |
| 4 | 5.6 | 32 | 23 | 12 | 552 |
| 8 | 8.5 | 28 | 23 | 12 | 546.7 |
| 10 | 9.8 | 26 | 23 | 12 | 545.4 |
| 16 | 13.1 | 23 | 23 | 10 | 543 |

**Camcom** is proud to be certified by

Frame Offices - HQ, Alexanderveld 5-9,
2585 DB, Den Haag, Netherlands
+31708910864
sales@camcom.co.nl

Designed in Netherlands & Produced Globally.

Prepared By : Steve Smith

Disclamer :- Datasheet is subject to modification without prior notication

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