

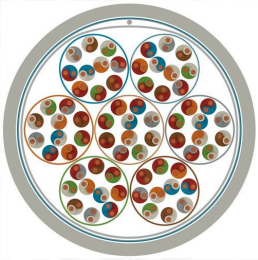
PART NO. 933012FU

Cat 3 F/UTP LSOH Ethernet Cable, 12 x 2 x 0.51 mm

CAMCOM™

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)
933012FU	12	0.51	9.1	48.8	99	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

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Disclamer :- Datasheet is subject to modification without prior notication

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