



Caledonian

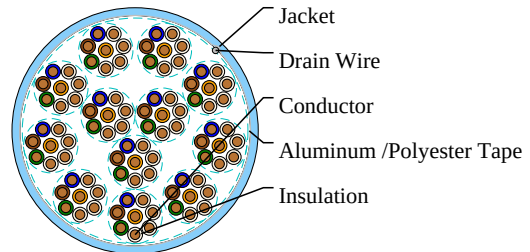
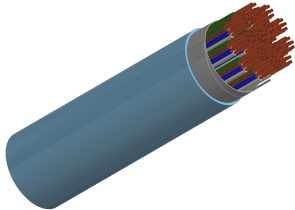
Data Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

Category 3 Multipair Cables

Cat3 F/UTP



APPLICATIONS

10Base-T, 100Base-T4

PRODUCT DESCRIPTION

Product Highlights:

Provide excellent bandwidth beyond 600 MHz

Support 10 Gigabit Ethernet application

Meet the strict flame retardancy and environmental requirements in Europe and US

Different jacket materials available for choice

STANDARDS

ISO/IEC 11801

ANSI/TIA/EIA-568-B

APPROVALS

E222756

CABLE CONSTRUCTION

Conductor: 24AWG Solid Plain Copper

Insulation: PE

Screen: Aluminum /Polyester Tape

Drain Wire: 1/0.5 mm

Assembly: 50 Pairs

Jacket: PE/PVC/LSF/LSZH

PHYSICAL AND THERMAL PROPERTIES

Working Frequency: 1-16MHz

Characteristic Impedance: $100 \pm 15 \Omega$

Nominal Velocity of Propagation (NVP): 69%

Maximum DC Resistance: $9.38 \Omega/100m$

Maximum Resistance Unbalance: 5%

Maximum Propagation Delay Skew: 30 ns/100m



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Maximum Propagation Delay: 536 ns/100m@100 MHz

Minimum Bending radius: 10 x Overall Diameter

Voltage Rating: 60V rms

Maximum Pulling load: 80N

Working Temperature: -20°C ~ +60°C

Storage Temperature: -5°C ~ +50°C

Flame Retardancy: UL 1581 (CM Jacket); UL 1666 (CMR Jacket); UL 910 (CMP Jacket); IEC 60332-1 (FRPVC & LSZH Jacket); IEC 60332-1 and IEC 60332-3C (LSFROH Jacket)

DIMENSION AND PARAMETERS

Cable Construction	No. of Pairs	No./Nominal Diameter of Strands	Nominal Diameter over Insulation
		no./mm	mm
F/UTP	50	1/0.5	0.86