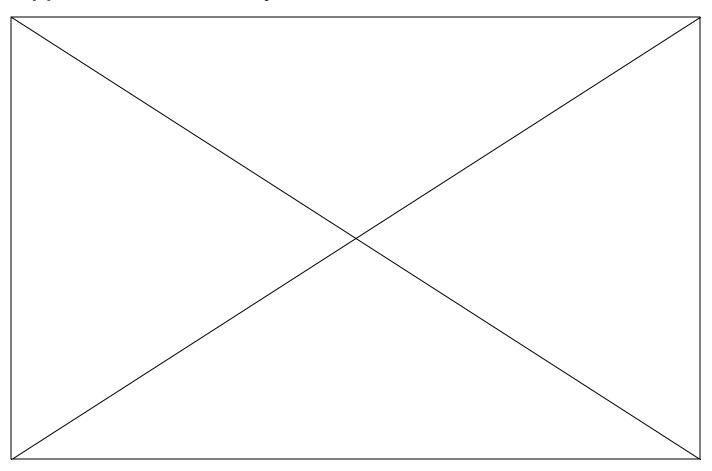
## Apple Ethernet Cable System





### Overview

The Apple® Ethernetfamily of networking components provides a modular, "plug-and-play" approach to connecting to an Ethernet work. The consistent design of Apple Ethernet components means that you can attach the appropriate Apple Ethernet media adapter to your Macintosh® computer and connect to any

industry-standardEthemetmedia. ThismodularaccesstoEthemet offersyouhigh-performance networkingwithadvantages in bothease-of-useandaffordability. Youneedtopurchaseonlythe specificmediaadapterthatfits intoyourenvironment. To use AppleEthemetcomponents, simplyconnectthenetwork

cablestothemediaadapterand plugtheadapterintoyour Macintoshcomputer. Apple Ethernet Twisted-Pair Transceiver (Order No. M0437LL/A)\*

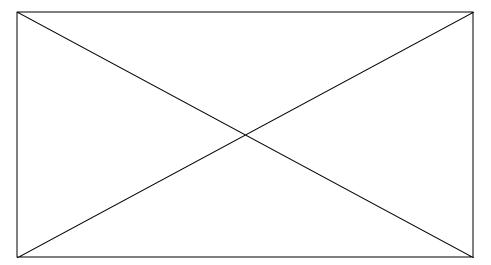
The Apple Ethernet Twisted-Pair Transceiver and included three-meter patch cord are all that is required to connect your network device to a standard 10 BASE-T wall plate. 10 BASE-T refers to an industry standard for Ethernet using telephone-grade unshielded twisted-pair wiring. Many sites have extratelephone wire already installed. Creating an Ethernet network with this wiring requires connecting certain pairs to a centralized Ethernet hub. The pairs run through the building to RJ-45 wall plates in each office. When you plug the Apple Ethernet Twisted-Pair Transceiver to the wall plate, a network connection is established. Since the Apple Ethernet Twisted-Pair Transceiver fully supports the IEEE 802.310 BASE-T specification, it can be used with any third-party 10 BASE-T hub.

#### **Features**

- Apple Ethernet connector
- 10 megabits-per-secondstar topology Ethernet LAN
- SupportsIEEE802.310BASE-T standardfortwisted-pair
- TwoLEDindicators
- · Includes three-meter RJ-45 patch cable

#### **Benefits**

- One positive locking, easy-to-use connector that provides modular access to all standard Etherneten vironments.
- · Provides access to a high-speed network using existing wiring and centralized hub.
- Completely compatible at cable level with 10BASE-Tunshielded twisted-pairnetworks. Can interoperate with any standard 10BASE-T Ethemethub.
- · Provides visual feedback for network management, showing both link integrity and packet transmission and reception.
- · Includes all components required to connect to a 10 BASE-TEthemet wall plate. (See your network administrator for more information.)



<sup>\*</sup>SeebackpageforFCCcertification information.

#### Apple Ethernet AUI Adapter (Order No. M0432LL/A)

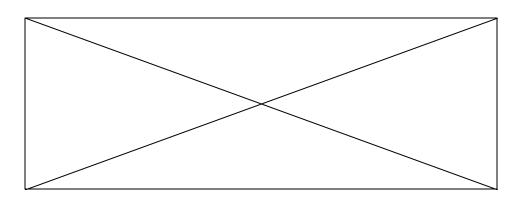
The Apple Ethernet AUI Adapter provides your network device a standard Attachment Unit Interface (AUI). Fully supporting the IEEE 802.3 AUI specification, this adapter allows you to connect your Apple Ethernet device to external transceivers for fiber-optic, thick coax, and other Ethernet mediatypes. Any current or future Ethernet media standard will be supported by the Apple Ethernet AUI Adapter and an appropriate transceiver. The Apple Ethernet AUI Adapter contains its own power supply, easing the burden on the power supply of the network device. Even when there are multiple Ethernet links, the full AUI power requirement is met.

#### **Features**

- Apple Ethernet connector
- Supports IEEE 802.3 AUI standard
- External power supply

#### **Benefits**

- One positive locking, easy-to-use connector that provides modular access to all standard Etherneten vironments.
- Compatible at plug level with industry-standard D-15 connector, allowing interoperability with any standard external Ethernettransceiver.
   Provides Apple Ethernet support for any Ethernet media type.
- . Allows compliance with full IEEE AUI power requirements for any device. Also allows for multiple AUI connections without taxing the power supply of the computer.





# Apple Ethernet Cable System

Apple Ethernet Self-Terminating Cable--5 Meter (Order No. M0833LL/A) and Apple Ethernet Self-Terminating Cable--13-Meter Plenum (Order No. M0436LL/A)

All Apple Ethernet cables are self-terminating. This means that a disconnected cable automatically results in two networks egments that are both functionally intact. No external terminating hardware is required, and no complex cable-analyzing hardware is needed to track down where the network cable is disconnected. The Chooser or a network administrator utility such as Inter-Poll® allows you to see exactly which devices remain on the networks.

Features	Benefits
SupportsIEEE802.3standard for thin coax	<ul> <li>Completely compatible with industry-standard "thin" Ethernet. Plugs into existing cables for seamless integration into your Ethernet environ- ment.</li> </ul>
· Self-terminatingBNCconnectors	<ul> <li>Disconnecting the cable properly terminates the network, minimizing disruption and allowing for easy network administration. No additional terminating hardware is required.</li> </ul>
- BNCovermolds	· Each end has a knurled overmold around the BNC, allowing for easier grasping, attaching, and removing.
Plenum-coated13-metercable	<ul> <li>Fire-retardant material coats the 13-meter cable, which may allow for use in suspended ceilings without requiring the use of metal conduit.</li> <li>Checkyour local fire or building code.</li> </ul>

Apple Ethernet Thin Coax Transceiver (Order No. M0329LL/A)

The Apple Ethernet Thin Coax Transceiver bringsplug-and-play functionality to a standard thin coax Ethernet environment, whether you are connecting to an existing network or creating your own. A two-meter segment of thin coaxial cable is included with the transceiver; and, since the Apple Ethernet Thin Coax Transceiver and all Apple Ethernet cables are self-terminating, no additional terminating hardware is required. With self-termination, disconnecting a cable automatically terminates the network; a disconnected Apple Ethernet cable or Thin Coax Transceiver results in two separate but fully functional networks.

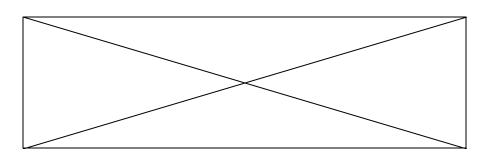
#### **Features**

#### · Apple Ethemetconnector

- 10 megabits-per-secondbus topology Ethernet LAN
- SupportsIEEE802.3standard forthin coax
- · Self-terminatingBNCconnectors
- Includes two-meterselfterminating coax cable
- External transceiver

#### **Benefits**

- One positive locking, easy-to-use connector that provides modular access to all standard Etherneten vironments.
- Provides a high-speed, plug-and-playnetwork.
- · Completely compatible with industry-standard "thin" Ethernet. Plugs into existing cables for seamless integration into Ethernet environments.
- Requires no extra hardware to terminate the network. Self-terminating components minimized is ruption if a cable becomes disconnected, and network administrators can easily isolate the disconnected end by using the Chooser or a network administrator's utility such as Inter-Poll<sup>®</sup>.
- · Includes all the required equipment to create your own Ethemet network.
- Apple Ethemet media adapters are separated from the back of the computer, allowing easy connection and disconnection.





### AppleEthemetCableSystem

System Requirements The Apple Ethernet media Card, Apple Ethernet LC Card, and adapters require a device with an manythird-partyEthemetcards Apple Ethernetport. Such devices and network interface devices. include the Apple Ethernet NB Product Details **TheAppleEthemetcomponents** any of these physical connections, environments, such as OSI, TCP/IP, providephysicallevelaccessto additional software is required. For DECnet<sup>§</sup> and SNA. datacommunicationsnetworks instance,touseAppleTalk® meeting IEEE 802.3 standards. All networksystemservices, mediameetingthisspecification EtherTalk®softwareisrequired. are supported by Apple Ethernet Additional software is available to products. For communication over provide communication in other Technical Specifications Apple Ethernet Thin Coax Transceiver Topology Serial bus

**Connectors** Apple Ethernet 14-pin, 2 BNC posts Wiring Apple Ethernet self-terminating

Maximumcablelenath 200 meters

Maximumnumberofnodes 40

Signalingstandard IEEE/ISO 802.3 10BASE2

Signalingspeed 10 Mbps

Frameformat As per 10BASE2 standard

**FCC**certification Class B

Forall-AppleEthemetnetworks. Mixed networks revert to 802.3 specifications.

Apple Ethernet Twisted-Pair Transceiver

Topology Star--requires 10BASE-T hub

**Connectors** Apple Ethernet 14-pin, RJ-45 receptacle Wiring Unshielded twisted-pair (telephone style)

Maximumcablelength

Maximumnumberofnodes Dependent on 10BASE-T hub--average is 12 per hub

Signalingstandard IEEE/ISO 802.3 10BASE-T

Signalingspeed 10 Mbps

Frameformat IEEE 802.3 standard (10BASE-T)

Networkstatus LEDs indicate link integrity and data activity

Self-correction Automatic correction of receive wiring polarity errors

Apple Ethernet AUI Adapter

Topology AUI to Apple Ethernet port converter

**Connectors** DB-15 with latch, Apple Ethernet 14-pin, and IEC

Wiring power

Signalingstandard 2.5 meter Apple Ethernet port cable and 6 ft.

Signalingspeed power cord

MaximumsupportedAUIcablelength IEEE/ISO 802.3 AUI (Section 7)

PowersupplyvoltagetoAUI 10Mbps MaximumattachedMAUcurrentdraw 35 meters § 12 volts nominal InputvoltagetoIEC

100V to 240 VAC, 50 or 60 Hz

§SubjecttoattachedMAUandAUIcablecompatibility.

\*ThisdevicehasnotbeenapprovedbytheFederalCommunicationsCommission.Thisdeviceisnot, and may not be offered for sale or lease, or sold or leased until approval of the FCC has been obtained.

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M1070LL/A