

<b>PRIORITY:</b>	Normal
<b>DATE:</b>	February 11, 2004
<b>TITLE:</b>	Fiber Optic Communications
<b>ECO REFERENCE:</b>	n/a
<b>PRODUCT(S) AFFECTED:</b>	All AlphaEclipse™ signs
<b>SUMMARY:</b>	A fiber optic solution is now available for communications with AlphaEclipse signs.

## Overview

Adaptive Micro Systems offers a new fiber optic cable for use with AlphaEclipse sign communications.

Fiber optic cable is used for electrically-isolated communications and can be run in the same conduit as the main power. Messages are sent from a computer with a mini-modem attached to the RS232 port, through fiber optic cable, to another mini-modem attached to the controller's RS232 port inside the sign. Fiber optic modems send data via beams of light (they are not lasers).

Fiber optic communications is not affected by static, or power and lightning surges.

## Cable information

The fiber optic cable is 1/2 inch in diameter and requires a 1-inch conduit (at minimum).

PN	Item	Description
<b>1170-9012</b>	Fiber optic kit without mini-modems	Interface board/cable assembly with installation materials. For dealers who provide their own fiber optic modems.
<b>1170-9013</b>	Fiber optic kit with mini-modems	Two fiber optic modems, one RS232 Type A cable, a DB25-to-DB9 adapter, an interface board/cable assembly, and installation materials. The receiving fiber optic modem is installed inside the sign. The sending modem is attached to the computer's RS232 serial port.
<b>1088-9336</b>	Fiber optic cable	Unterminated, 2-core cable. Sold by the foot.
<b>1088-9337</b>	ST fiber optic cable connectors	Connectors for the duplex fiber optic mini-modem. Four connectors per cable assembly required.
<b>1088-9338</b>	Fiber optic cable	Terminated, ST connectors and pulling eyelets attached. Pre-tested by cable vendor. Available in 100 foot lengths.
<b>1088-9339</b>	Unicam termination kit	All necessary components to terminate fiber optic cable (pn 1088-9336 and pn 1088-9337). Includes soft-sided carrying case, hand tools, clamping fixture, instructions, and tutorial video.

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The distinctive trade dress of this product is a trademark claimed by Adaptive Micro Systems LLC.

Due to continuing product innovation, specifications in this manual are subject to change without notice.

## Cable orders

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Call Adaptive Customer Support at 1-414-357-2020 or 1-800-719-2838 to order the new fiber optic cable.

## Typical use

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Adaptive Micro Systems recommends that fiber optic cable installation be done by a qualified fiber optic technician. *Adaptive is not responsible for any installation done by a non-qualified party. Unterminated fiber optic cable/connectors and the final installation are the responsibility of the company installing the sign.*

