

# ME4 Standard Squid Cable Assembly

The majority of the signals and features of the BreadCrumb® ME4 can be accessed through the 26-pin Amphenol connector on the enclosure, which interfaces to the optional ME4 squid cable assembly to provide access to input power, Ethernet, and USB ports of the device.



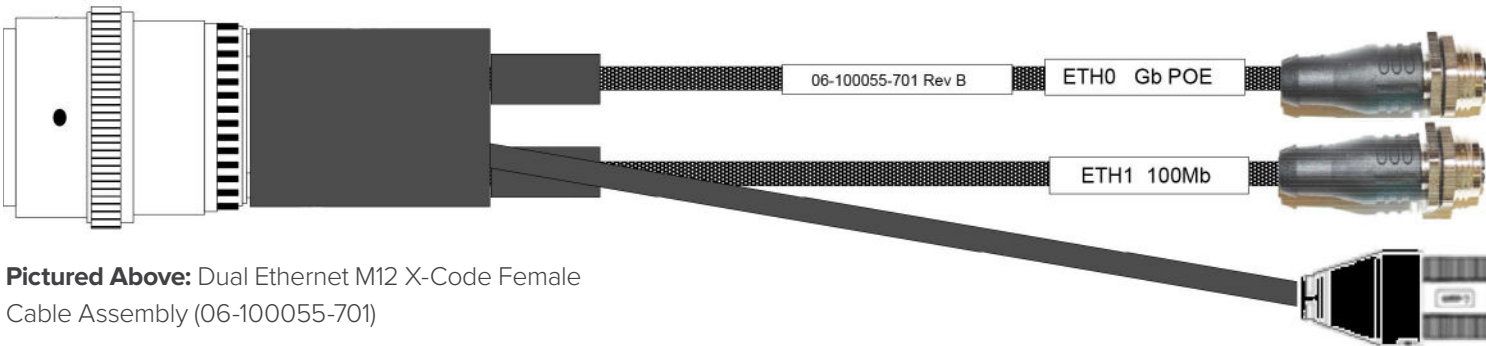
## ME4 Squid Cable Features

- Provides 2 standard RJ-45 Ethernet connectors
- Includes 1 USB port
- Fully sealed IP67 (6: Dust-tight, 7: Waterproof) design
- LTW watertight connections
- RoHS and non-RoHS options available

ME4 Squid Cable Models	
Rajant Part Number	Description
06-100055-603	2Eth (1PoE), USB RoHS (ME4)
06-100055-701	Dual Ethernet M12 X-Code Female, (1) USB

## 26-Pin Amphenol Connector

The 26-pin Amphenol connector provides an interface for external power, Ethernet, and USB.

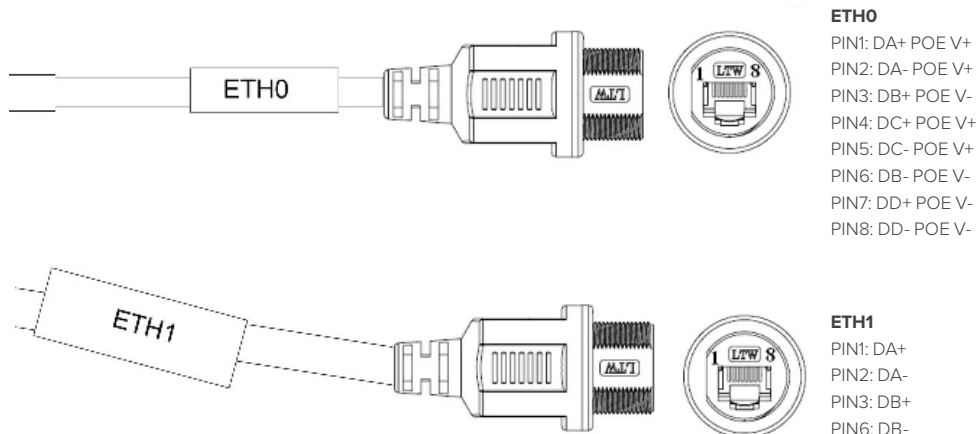


**Pictured Above:** Dual Ethernet M12 X-Code Female Cable Assembly (06-100055-701)

## Ethernet Connectors

The optional ME4 cable assembly plugs into the 26-pin Amphenol connector and provides two standard RJ-45 Ethernet connectors for easy access to the ME4 Ethernet ports. The first Ethernet port (ETH0) on the BreadCrumb ME4 supports 10 Base-T, 100 Base-TX or 1000 Base-T configuration. The second Ethernet port (ETH1) supports 10 Base-T, or 100 Base-TX configuration.

The ETH0 port, when accessed through an ME4 Cable Assembly, also supports Passive Power over Ethernet (Passive PoE), and therefore acts as a dual function Ethernet and DC power input port for the BreadCrumb ME4. An external inline injector is used to merge DC power for the BreadCrumb ME4 with data from a LAN port or a wired client.



## USB Port

The cable assembly also provides access to the ME4 USB port, which is compliant with Enhanced Host Controller Interface (EHCI) and USB Transceiver 2.0 Macrocell Interface (UTMI+) Level 2 specifications. The power switch for the port includes over current protection, thermal protection, in-rush current limiting, and hot-plug noise filtering.

The USB port can be used to perform BreadCrumb firmware upgrades and USB-based zeroize. It can also interface to an optional GPS receiver accessory available from Rajant.

