LX5 Standard Squid Cable Assembly

The majority of the signals and features of the BreadCrumb® LX5 can be accessed through the two 22-pin Amphenol connectors on the enclosure. Each 22-pin Amphenol connector can interface to an optional LX5 cable assembly that provides access to one Ethernet and one USB port of the device.
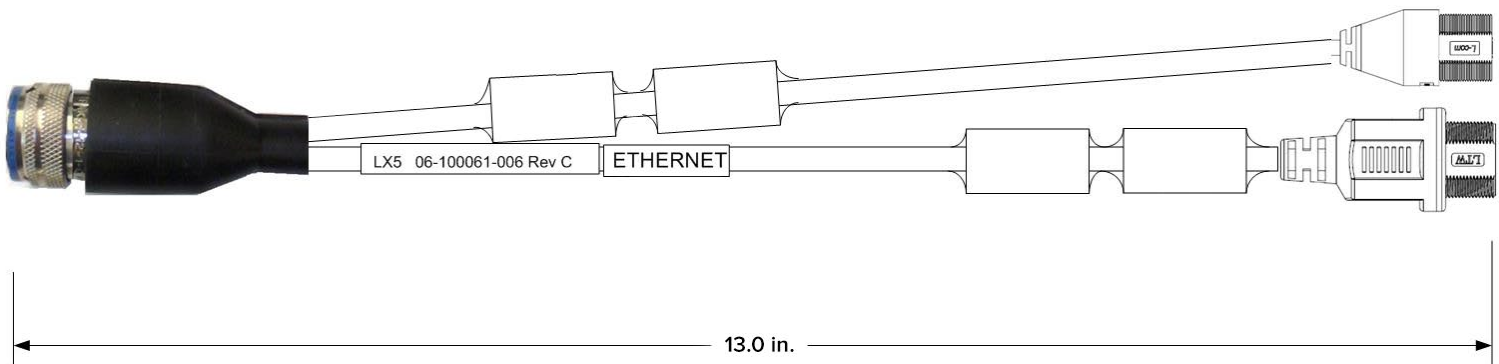
LX5 Squid Cable Features

- Provides 1 standard RJ-45 Ethernet connector
- Includes 1 USB port
- Fully sealed IP67 (6: Dust-tight, 7: Waterproof) design
- LTW watertight connections

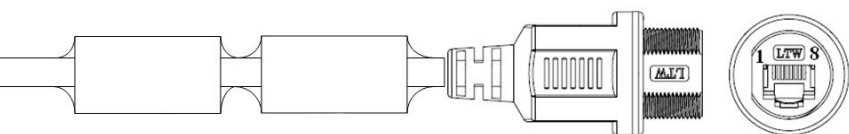| LX5 Squid Cable Models	
Rajant Part Number	**Description**
06-100061-006	LX5 Standard Squid Cable

22-Pin Amphenol Connector

The BreadCrumb LX5 has two 22-pin Amphenol connectors, labeled on the case as 0 and 1. Connector 0 contains the first instance of each device (ETH0, USB, serial port 0). Connector 1 is rotated 180 degrees relative to Connector 0 and contains the second instance of each device (ETH1, USB, serial port 1).

13.0 in.

Ethernet Connector

The optional LX5 cable assembly plugs into either one of the 22-pin Amphenol connectors and provides a standard RJ-45 Ethernet connector for easy access to an LX5 Ethernet port.Both Ethernet ports (ETH0, ETH1) on the BreadCrumb LX5 support 10 Base-T, 100 Base-TX or 1000 Base-T configuration.

Both Ethernet ports, when accessed through an LX5 cable assembly, also support Passive Power over Ethernet (Passive PoE) and therefore act as a dual function Ethernet and DC power input port for the BreadCrumb LX5. An external inline injector is used to merge DC power for the BreadCrumb LX5 with data from a LAN port or a wired client.

ETH0

PIN1: DA+ POE V+	PIN4: DC+ POE V+	PIN7: DD+ POE V-
PIN2: DA- POE V+	PIN5: DC- POE V+	PIN8: DD- POE V-
PIN3: DB+ POE V-	PIN6: DB- POE V-	

USB Port

The LX5 contains two USB ports, one on each of the 22-pin Amphenol connectors. One USB port can be accessed with the optional LX5 cable assembly connected to Connector 0 on the enclosure; the other USB port can be accessed via Connector 1 using an optional second LX5 cable assembly.

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 or to an optional USB audio device headset with microphone to use TRoIP (Tactical Radio over IP) on the BreadCrumb LX5.

USB

SERIES A
USB WATERPROOF JACK

Red — USB_5V (Pin 1)
White — USB_DATA- (Pin 2)
Green — USB_DATA+ (Pin 3)
Black — GND (Pin 4)

20+ Years OF GAME-CHANGING WIRELESS

RAJANT