IO AUDIO TECHNOLOGIES®

ETHERLATCH™ CONNECTOR

L SERIES

Locking ethernet connector suitable for solid digital audio connections such as AES50, and MADI, lighting protocols like DMX512 and ARTNET, or video connections such as HDBaseT, and HDMI over ethernet. This connector is compatible with network switches.

IO-EC-L

SPECIFICATIONS

PRODUCT
Gender: **Male**

ELECTRICAL
Dielectric Strength: **1kV DC**

Insulation Resistance: **> 100 mΩ**

ENVIRONMENTAL
Temperature Range: **-40°C to +70°C (-40°F to 158°F)**

MECHANICAL

Lifetime: **> 1000 Mating Cycles**

Cable O.D.: **6.0 - 8.3mm**

Locking Device: **Latch Lock**

MATERIAL
Bushing: **Polyamide**

Plastic Shell: **Polyamide**

Plastic Shell Finish: **Black**
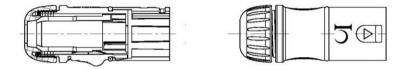
Shell: **Zinc Die Cast**

Shell Plating: **Nickel**

Strain Relief: **Polyoxymethylene**

DRAWING

IO-EC-L

FEATURES & APPLICATIONS

Io Audio Technologies' Etherlatch™ connectors feature a rugged, metal shell, designed to fit around a standard RJ45 plug. It also protects the fragile RJ45 plug from being shattered by massive objects. The locking mechanism makes each connection as robust as possible and prevents accidental disconnection, while the strain relief extends the life of the network cable. The IO-EC-L style Etherlatch™ connector has a twist off metal housing so the cable can be used with standard networking equipment and it comes with a T-Ring for any network cable under 6mm O.D.

Etherlatch™ connectors are a perfect alternative for AVL networking applications where a more robust connection method is necessary. Running audio over Ethernet, networking digital audio, or lighting control will require Etherlatch™ style cable connectors. IO-EC-L style is perfect for applications where space for strain relief may be limited and the removable housing makes it compatible with standard network switches

PART NUMBER BREAKDOWN

IO-**EC**-L
Series Identifier
IO-EC-**L**
Strain Relief Style

STANDARDS & CLASSIFICATIONS

ETHERLATCH™ CONNECTOR

X SERIES

Locking ethernet connector suitable for solid digital audio connections such as AES50, and MADI, lighting protocols like DMX512 and ARTNET, or video connections such as HDBaseT, and HDMI over ethernet. Not compatible with network switches.

IO-EC-X

SPECIFICATIONS

PRODUCT
Gender: **Male**

ELECTRICAL
Dielectric Strength: **1kV DC**

Insulation Resistance: **> 100 mΩ**

ENVIRONMENTAL
Temperature Range: **-40°C to +70°C (-40°F to 158°F)**

MECHANICAL
Lifetime: **> 1000 Mating Cycles**

Cable O.D.: **6.6 - 9.2mm**

Locking Device: **Latch Lock**

MATERIAL
Bushing: **Polyamide**

Bushing Finish: **Black/Gray**

Chuck: **Polyamide**

O Rings: **(1) Rubber & (1) Silicone**

O Ring Finish: **(1) Black & (1) Orange**

Latch: **Steel**

Latch Finish: **Black**
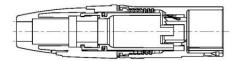
Shell: **Die Cast Zinc**

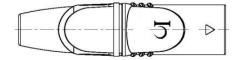Shell Plating: **Matte Nickel**

Strain Relief: **Polyamide**

DRAWING

IO-EC-X

FEATURES & APPLICATIONS

Io Audio Technologies' Etherlatch™ connectors feature a rugged, metal shell, designed to fit around a standard RJ45 plug. It also protects the fragile RJ45 plug from being shattered by massive objects. The locking mechanism makes each connection as robust as possible and prevents accidental disconnection, while the strain relief extends the life of the network cable. The IO-EC-X style Etherlatch™ connector comes with 3 different waterproof rings to fit different sized category cable including 6.6, 7.9, and 9.2mm O.D.

Etherlatch™ connectors are a perfect alternative for AVL networking applications where a more robust connection method is necessary. Running audio over Ethernet, networking digital audio, or lighting control will require Etherlatch™ style cable connectors. The IO-EC-X style is perfect for applications where superior strain relief is required.

PART NUMBER BREAKDOWN

IO-**EC**-X
Series Identifier
IO-EC-**X**
Strain Relief Style

STANDARDS & CLASSIFICATIONS

RoHS C E