



AUDIO  
TECHNOLOGIES®

## ETHERLATCH™ CABLE

### CAT 6 ETHERLATCH™ OVERVIEW

This heavy duty Cat 6 Etherlatch cable is a twisted pair category cable with 4 pairs of solid conductors offering dependability and providing an ultra stable connection and exceptionally low skew delay up to 300ft. They are designed to comply with AVoIP protocols.

The IO-EC-X connectors feature a rugged metal shell housing a standard RJ45 plug to protect it from being shattered by massive objects. The locking mechanism makes each connection as robust as possible and prevents accidental disconnection. The plastic strain relief extends the life of the network cable, while the braided magnesium alloy shield helps prevent crosstalk between cables.

Etherlatch™ cables 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 cables. This Cat 6 Etherlatch™ cable is perfect for applications where strain relief may be required.

NOTE: Not compatible with standard RJ45 jacks.



Product specifications may change without prior notification

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## SPECIFICATIONS

### Product

Part Number: **IO-CAT6-XX-P**

Number of Conductors: **8 (4 Shielded Pairs)**

### Conductors

Details: **1/0.57mm Solid Bare Copper**

Size: **23 AWG**

### Electrical and Mechanical Characteristics

Conductor DC Resistance: **< 75 Ω/km**

Shield DC Resistance: **< 100 Ω/km**

Capacitance Between Conductors: **12.3 pF/ft**

Capacitance Between Conductors / Shield: **23.8 pF/ft**

Skew Delay: **< 6nS@100m**

Impedance: **100 Ω**

Voltage Breakdown: **500 V**

Flex Life: **≥ 13,000**

Applicable Temperature: **-20°C ~ +60° C (-4°F ~ +140°F)**

Peak Temperature: **-40°C ~ +70° C (-40°F ~ +158°F)**

### Insulation

Material: **FPE**

Colors: **White/Orange, Orange, White/Green, Blue, White/Blue, Green, White/Brown, Brown**

### Shield

Details: **Braided Magnesium Alloy & Aluminum Foil**

Construction: **16\*4/0.10 (Shield continuity is present between both ends of the cable.)**

### Jacket

O.D.: **8.0mm**

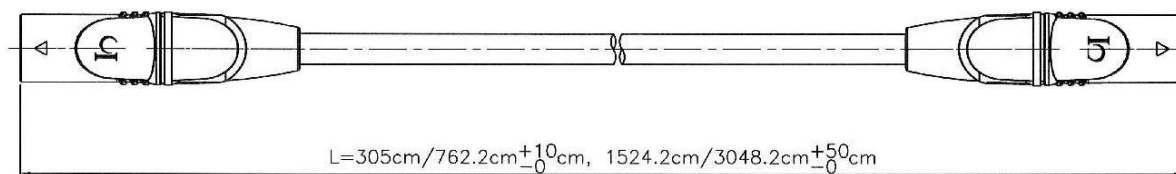
Material: **PVC**

Color: **Blue**

### Drain Wire

Details: **1/.40 TC**

## DRAWING



## STANDARDS & CLASSIFICATIONS



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