



AUDIO  
TECHNOLOGIES®

## ETHERLATCH™ CABLE

### CAT 5E ETHERLATCH™ OVERVIEW

This heavy duty Cat 5e Etherlatch cable is a twisted pair category cable with 4 pairs of stranded conductors offering dependability and providing an ultra stable connection up to 100ft. They are designed to comply with AVoIP protocols.

They have a CPE shield to help prevent crosstalk between cables and with the stranded conductors, this cable also achieves similar flexibility to that of a standard microphone cable.

The IO-EC-L 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. The metal housing on these connectors also twist off so the cable can be used with standard networking equipment and standard network switches.

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 5e Etherlatch™ cable is perfect for applications where space for strain relief may be limited.



Product specifications may change without prior notification

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## SPECIFICATIONS

### Product

Part Number: **IO-CAT5-XX-P**

Number of Conductors: **8 (4 pairs) plus shield**

### Conductors

Details: **7/0.20mm Stranded BC**

Size: **24 AWG**

### Electrical and Mechanical Characteristics

Conductor DC Resistance: **< 86.44 Ω/km**

Shield DC Resistance: **< 100 Ω/km**

Capacitance Between Conductors: **16.2 pF/ft**

Capacitance Between Conductors / Shield: **13.7 pF/ft**

Voltage Breakdown: **300 V**

Flex Life: **≥ 13,000**

Tensile Strength: **≥ 637 N**

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

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

### Insulation

Material: **PE**

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

### Shield

Details: **CPE**

**\*Shield connection is only terminated at one end of the cable. For cables with shield continuity between both ends, see our Cat 6 product.**

### Jacket

O.D.: **5.5mm**

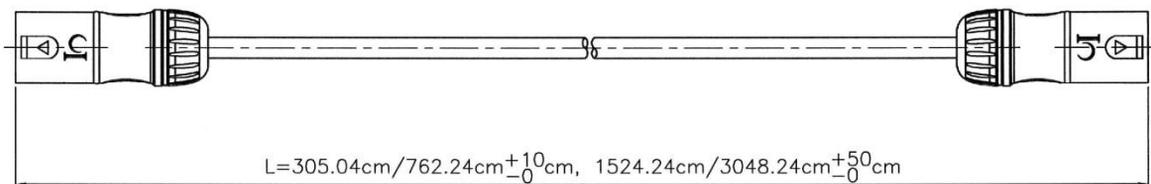
Material: **PVC**

Color: **Black**

### Drain Wire

Details: **7/20 Stranded TC**

## DRAWING



## STANDARDS & CLASSIFICATIONS



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