

## ETHERLATCH™ CABLE

### CAT6 ETHERLATCH™

The CAT6 Etherlatch™ cable is a twisted pair data cable with four pairs of solid conductors plus a drain wire which provides a solid foundation for any digital snake system or Art-Net compatible equipment up to 328ft with a low skew delay. Each twisted pair is individually shielded with aluminum foil while a braided shield protects all four pairs.

### DURABLE PVC JACKET

The cable comes complete with a tough light blue PVC jacket that protects the interior workings of the cable from the harsh environment. It also helps the cable keep its shape for a perfect coil every time.

### RUGGED CONNECTORS

Our sleek X-Style Etherlatch™ connectors provide superior strain relief and protect against excess stress at the connection point; the point where most failures occur.



### APPLICATIONS

This cable is ideal for situations when you need data connections with the highest levels of data integrity and reliability. Our Professional Series shielded CAT6 Etherlatch™ cables feature connectors compatible with industry standard Neutrik® etherCON® receptacles.

### INDUSTRIES

- Pro Audio Manufacturing
- Pro Video Manufacturing
- Electronics Hobbyists
- Pro Lighting Manufacturing
- Medical Instruments
- Communications

Product specifications may change without prior notification

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## SPECIFICATIONS

### Product

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

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

### Conductors

Details: **1/0.57mm Solid BC**

Size: **23 AWG**

### Electrical and Mechanical Characteristics

Conductor DC Resistance ( $\Omega$ /km): **< 75**

Shield DC Resistance ( $\Omega$ /km): **< 100**

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

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

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

Impedance: **100**

Voltage Breakdown: **500V**

Flex Life:  **$\geq 13,000$**

Applicable Temperature:  **$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$  ( $-4^{\circ}\text{F} \sim +140^{\circ}\text{F}$ )**

Peak Temperature:  **$-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$  ( $-40^{\circ}\text{F} \sim +158^{\circ}\text{F}$ )**

### Insulation

Material: **FPE**

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

### Shield

Details: **16\*4/0.10 Braided Magnesium Alloy**

### Jacket

O.D.: **8.0mm**

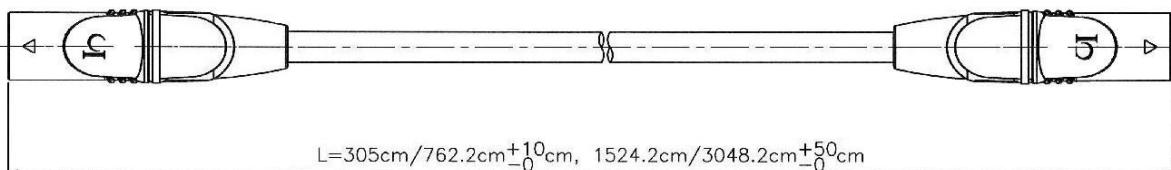
Material: **PVC**

Color: **Blue**

### Drain Wire

Details: **1/.40 TC**

### Drawing



### STANDARDS & CLASSIFICATIONS



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