

## 1/4" BALANCED PATCH CABLES



### M-SERIES

The M-Series balanced patch cable contains stranded OFC conductors in our tightest pitch twisted pair for superior signal integrity. Protected by XLPE insulation, an aluminum shield, and a tinned-copper braided shield, this cable upholds high-quality standards and outperforms similar cables in sound quality, noise level, and EMI resistance.

### DURABLE PVC JACKET

The M-Series comes complete with a tough PVC jacket that is easy on your hands while coiling or setting up, but still protects the interior workings of the cable from harsh environments.



### RUGGED CONNECTORS

The sleek, shark-like connectors feature an extremely durable zinc die-cast shell, which can withstand the rigors of any musical environment. A plastic insert serves as a primary strain relief by clamping onto the cable jacket while the blue rubber boot protects the junction from excessive bending.

### APPLICATIONS

The M-Series balanced patch cable uses 1/4" TRS connectors to provide a superior sounding balanced connection in professional sound systems. The cable is also perfect for unbalanced stereo connections (i.e., a stereo guitar output) and control applications.

### 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-BP176XXX-M3MBL**

Number of Conductors: **2 plus shield**

### Conductors

Details: **25/0.08mm BC OFC**

Size: **26 AWG**

### Electrical and Mechanical Characteristics

Conductor DC Resistance ( $\Omega/m$ ):  **$0.152 \pm 1\%$**

Shield DC Resistance ( $\Omega/m$ ):  **$0.035 \pm 1\%$**

Capacitance Between Conductors (pF/ft):  **$\leq 14.4$**

Capacitance Between Conductors and Shield (pF/ft):  **$\leq 27.1$**

Voltage Breakdown: **500V**

Flex Life:  **$\geq 17,700$**

Tensile Strength:  **$\geq 199N$**

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

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

### Insulation

Material: **XLPE**

Colors: **Blue and White**

### Shield

Details: **Braided**

Construction: **16\*5/0.10 TC OFC**

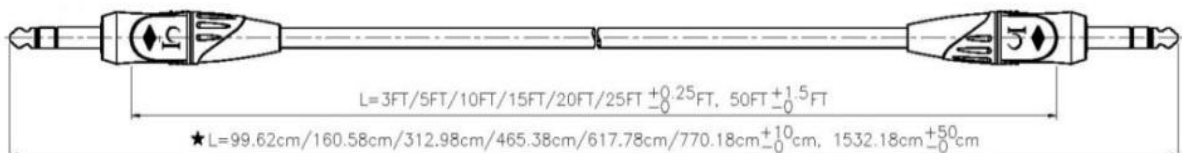
### Jacket

O.D.: **6.0mm**

Material: **PVC**

Color: **Black**

## Drawing



## STANDARDS & CLASSIFICATIONS



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