



## 1/4" BALANCED PATCH CABLE

### TCH SERIES OVERVIEW

Designed to be a flexible, yet rugged component of professional live sound and studio systems, the TCH Series Balanced Patch Cable can handle the rigors of any audio environment.

The IO-T3MCH-R, right angle connectors feature an extremely durable nickel tin plated brass shell and includes a clamp that tightens onto the cable to provide strain relief while an additional rubber boot delivers extended support. The gold plated plug contacts, silver plated wire terminals, and XLPE insulation all ensure the best possible signal flow and extend the useful life of the cable.

It's durable and flexible PVC jacket protects the OFC conductors from whatever life throws at it. Add to the equation two shields, aluminum foil and braided tinned copper, and the conductors have double the protection from EMI resulting in a dependable addition to any professional audio engineer's toolbox.



Product specifications may change without prior notification

Io Audio Technologies® is a registered trademark of Knight Electronics, Inc.  
10557 Metric Dr. Dallas, TX 75243 | 214-340-0265 | 800-323-2439 | Fax: 214-340-5870 |  
[www.ioaudiotechnologies.com](http://www.ioaudiotechnologies.com)



## SPECIFICATIONS

### Product

Part Number: **IO-BP176XXX-T3MCH-2R**

Number of Conductors: **2 plus shield**

### Conductors

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

Size: **26 AWG**

### Electrical and Mechanical Characteristics

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

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

Capacitance Between Conductors:  **$\leq 14.4 \text{ pF/ft}$**

Capacitance Between Conductors and Shield:  **$\leq 27.1 \text{ pF/ft}$**

Voltage Breakdown: **500 V**

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

Tensile Strength:  **$\geq 199 \text{ N}$**

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: **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



Product specifications may change without prior notification