



AUDIO  
TECHNOLOGIES®

## 1/4" INSTRUMENT CABLE

### TCH SERIES OVERVIEW

To meet the sonic expectations of discerning musicians around the world, the TCH Series instrument cable contains OFC conductors and a layer of conductive PE insulation. The use of these materials ensures that the final product consistently delivers a solid performance. Conductive PE absorbs changes in capacitance that occur when musicians run, walk, or shake their instruments on stage.

The IO-T2MCH 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 conductive PE insulation all ensure the best possible signal flow and extend the useful life of the cable.

The cable comes equipped with a durable and flexible PVC jacket to protect the cable from whatever life throws at it. Additionally, a copper spiral shield protects the conductors from EMI. The result? A dependable companion for any musician.



Product specifications may change without prior notification

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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-IC109XXX-T2MCH**

Number of Conductors: **1 plus shield**

### Conductors

Details: **50/0.12mm BC OFC**

Size: **20 AWG**

### Electrical and Mechanical Characteristics

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

Shield DC Resistance:  **$0.033 \pm 1\% \Omega/m$**

Capacitance Between Conductor and Shield:  **$\leq 33.3 \text{ pF/ft}$**

Voltage Breakdown: **500 V**

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

Tensile Strength:  **$\geq 197.82 \text{ N}$**

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: **Conductive PE**

### Shield

Details: **Spiraled**

Construction: **55/0.12 BC OFC**

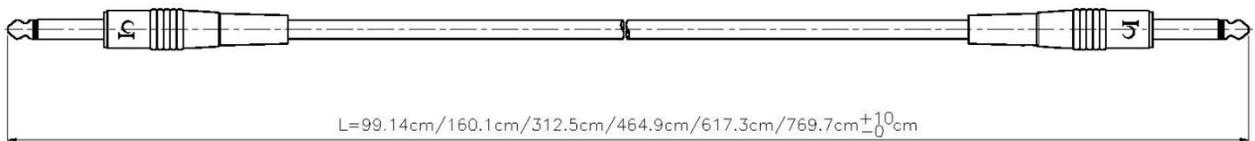
### Jacket

O.D.: **6.0mm**

Material: **PVC**

Color: **Black**

## DRAWING



## STANDARDS & CLASSIFICATIONS



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