



AUDIO  
TECHNOLOGIES®

## B500 SERIES BALANCED CABLE

### OVERVIEW

The B500 Series balanced cable is made using two stranded, 23 AWG, OFC conductors in a tight-pitch twisted pair configuration. The use of XLPE insulation helps reduce the capacitance while the braided tinned copper shield provides excellent EMI and noise rejection. The improved conductivity of bare copper conductors ensures that your signal will be strongest when it reaches the destination. Between the conductors and shield is a conductive yarn designed to increase the flexibility of the cable. To top it all off, the sturdy PVC jacket is there to take the abuse of any environment.

#### Applications:

- Custom Shop Patch Cable
- Custom lengths for Any Size Patch Bay
- Balanced Audio
- Low Voltage Signal

NOTE: Not rated for in-wall use



Product specifications may change without prior notification

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## SPECIFICATIONS

### Product

Part Number: **IO-A12326-500SP**

Number of Conductors: **2 plus shield**

### Conductors

Details: **60/0.08mm Bare OFC**

Size: **23 AWG**

### Electrical and Mechanical Characteristics

Conductor DC Resistance:  **$0.062 \pm 1\% \Omega/m$**

Shield DC Resistance:  **$0.021 \pm 1\% \Omega/m$**

Capacitance Between Conductors:  **$\leq 15.4 \text{ pF/ft}$**

Capacitance Between Conductor and Shield:  **$\leq 27.6 \text{ pF/ft}$**

Voltage Breakdown: **300 V**

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

Tensile Strength:  **$> 923 \text{ N}$**

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\*9/0.10 Tin. OFC**

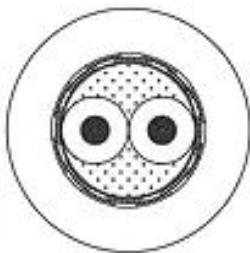
### Jacket

O.D.: **6.0mm**

Material: **PVC**

Color: **Black**

## CONFIGURATION



## STANDARDS & CLASSIFICATIONS



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