



AUDIO
TECHNOLOGIES®

B100 SERIES BALANCED CABLE

OVERVIEW

The B100 Series balanced cable is made using two stranded, 24 AWG, OFC conductors in a tight-pitch twisted pair configuration. The improved conductivity of bare copper conductors ensures that your signal will be strongest when it reaches the destination. The use of PE insulation helps reduce the capacitance while a spiral copper shield provides great EMI and noise rejection. To top it all off, the sturdy PVC jacket is designed to take the abuse of any environment.

Applications:

- Pre-wiring of modular truss or sound systems for quick set up
- Custom shop cable
- DIY cables for personal use
- Custom lengths for permanent installations

NOTE: Not rated for in-wall use



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



SPECIFICATIONS

Product

Part Number: **IO-A12416-500SP**

Number of Conductors: **2 plus shield**

Conductors

Details: **20/0.12mm Bare OFC**

Size: **24 AWG**

Electrical and Mechanical Characteristics

Conductor DC Resistance: **$0.075 \pm 5\% \Omega/m$**

Shield DC Resistance: **$0.025 \Omega/m$**

Capacitance Between Conductors: **$\leq 14.3 \text{ pF/ft}$**

Capacitance Between Conductor and Shield: **$\leq 24.9 \text{ pF/ft}$**

Voltage Breakdown: **300 V**

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

Tensile Strength: **$\geq 656.2 \text{ N}$**

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: **PE**

Colors: **Red and White**

Shield

Details: **Spiraled**

Construction: **60/0.12 Tin. OFC**

Jacket

O.D.: **6.0mm**

Material: **PVC**

Color: **Black**

CONFIGURATION



STANDARDS & CLASSIFICATIONS



Product specifications may change without prior notification