

582-517



PRODUCT SPECIFICATION

AES-EBU DIGITAL AUDIO CABLE LEADS

Sheet No. **PS 0030**

Date : 06.01.94

Issue No. 2

Sheet 1 of 1

Signature

Deltron
Part No.

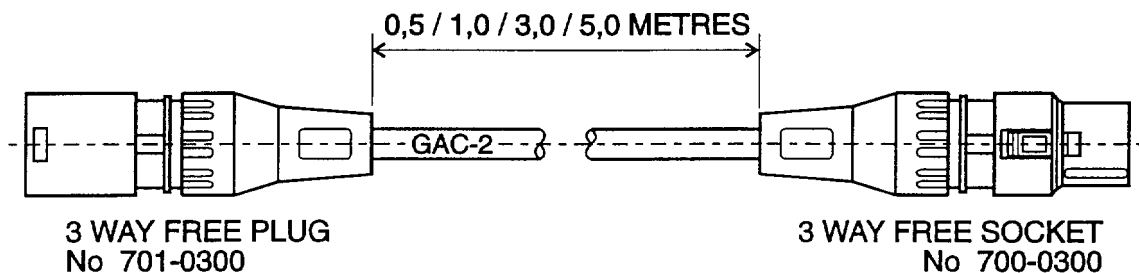
**732-0005 SATIN NICKEL CONNECTORS
SILVER PLATED CONTACTS (0,5M)**

~~732-0010 SATIN NICKEL CONNECTORS
SILVER PLATED CONTACTS (1,0M)~~

~~732-0030 SATIN NICKEL CONNECTORS
SILVER PLATED CONTACTS (3,0M)~~

~~732-0050 SATIN NICKEL CONNECTORS
SILVER PLATED CONTACTS (5,0M)~~

Dimensions



Description

The AES-EBU Digital Audio Interconnection Leads have been fitted with GAC-2 AES-EBU Cable and 7000 Series Connectors.

This construction has been especially designed for the AES-EBU Digital format which is a square wave signal running at up to 60MHz configured for a balanced 110 ohm (nominal) impedance line.

Gotham Cable has specially developed 2 x 0,34 mm (2 x 22swg) double shielded digital cable with a 110 ohm twin-ax design permits AES-EBU transmission over greater than 100m in distance without problem.

The use of standard two conductor microphone cable for digital signals will result in poor data transmission, loss and corruption of data due to the impedance mismatch between the cable and transmission system and the skin effect at high frequency. These problems are particularly acute when the cable length is greater than the signal wavelength - typically 3-5 metres.

The ideal transmission line would be a co-axial cable as used in video. Unfortunately, this is not possible due to the balanced format.

3 Way Free Plug as per Product Specification PS 0454

3 Way Free Socket as per Product Specification PS 0453

Cable GAC-2 AES-EBU as per Product Specification PS 0008