



# AES-EBU 110 Ohm Link

(Halogen Free)

— **Discontinued** —

Is replaced by our: [AES-EBU 110 Ohm Professional](#)

## Description:

The AES-EBU committee has set the characteristic impedance for professional digital signal transmission at 110 Ohm. Worldwide this typical value is now accepted as the professional digital interface standard impedance. To meet this requirement, already in 1990 our company designed a high quality balanced 110 Ohm interface cable. The result is our AES-EBU 110 Ohm Link which provides a superior digital signal transmission quality.

The AES-EBU 110 Ohm Link contains two centre conductors in red and transparent.

The internal balanced construction consists of 42 x 0.13 mm. strands per lead; each lead exhibiting a resistance of 3.1 Ohm/100 meter.

Both cores' insulation is made of dense polyethylene.

This dense insulation material provides extra protection for the two internal conductors.

To make The AES-EBU 110 Ohm Link insensitive to humidity penetration, specially treated fibres are used as internal fillers; this provides a perfect protection against electrical losses and maintains the 110 Ohm impedance in any situation.

The double screening is made of a specially treated Mylar reinforced aluminium tape beneath a braiding of 120 high grade OFC wires with a dense pure silver coating.

The resistance of the braiding is 0.8 Ohm/100 meter.

The 7.25 mm. external diameter white outer jacket is made of HULLIFLEX<sup>®</sup> 2; this new rugged insulation material protects The AES-EBU 110 Ohm Link for many years against all kinds of rough treatment.

Specific purpose: All types of digital 110 Ohm impedance connections over greater distances (e.g. studio wiring).

By maintaining a precise and stable 110 Ohm impedance, the AES-EBU 110 Ohm Link keeps interface induced jitter to a minimum. Sonically this results into a much cleaner reproduced analog signal in direct comparison to other AES-EBU standardised products in the same transmission link.

The AES-EBU 110 Ohm Link is available:

1. On 100 m. reels.  
Shipping: 1 x 100 m. reel in a 255 x 255 x 205 mm. box with a total shipping weight of 7.29 kg. The two ends of the reeled cable are closed with caps to prevent any entrance of chemically polluted air.
2. Single packed with RCA (unbalanced) or XLR (balanced) connectors in 0.6, 0.8, 1.0, 1.2 and 1.5 m. lengths.
3. On request we can furthermore supply any length with high quality Neutrik XLR connectors.

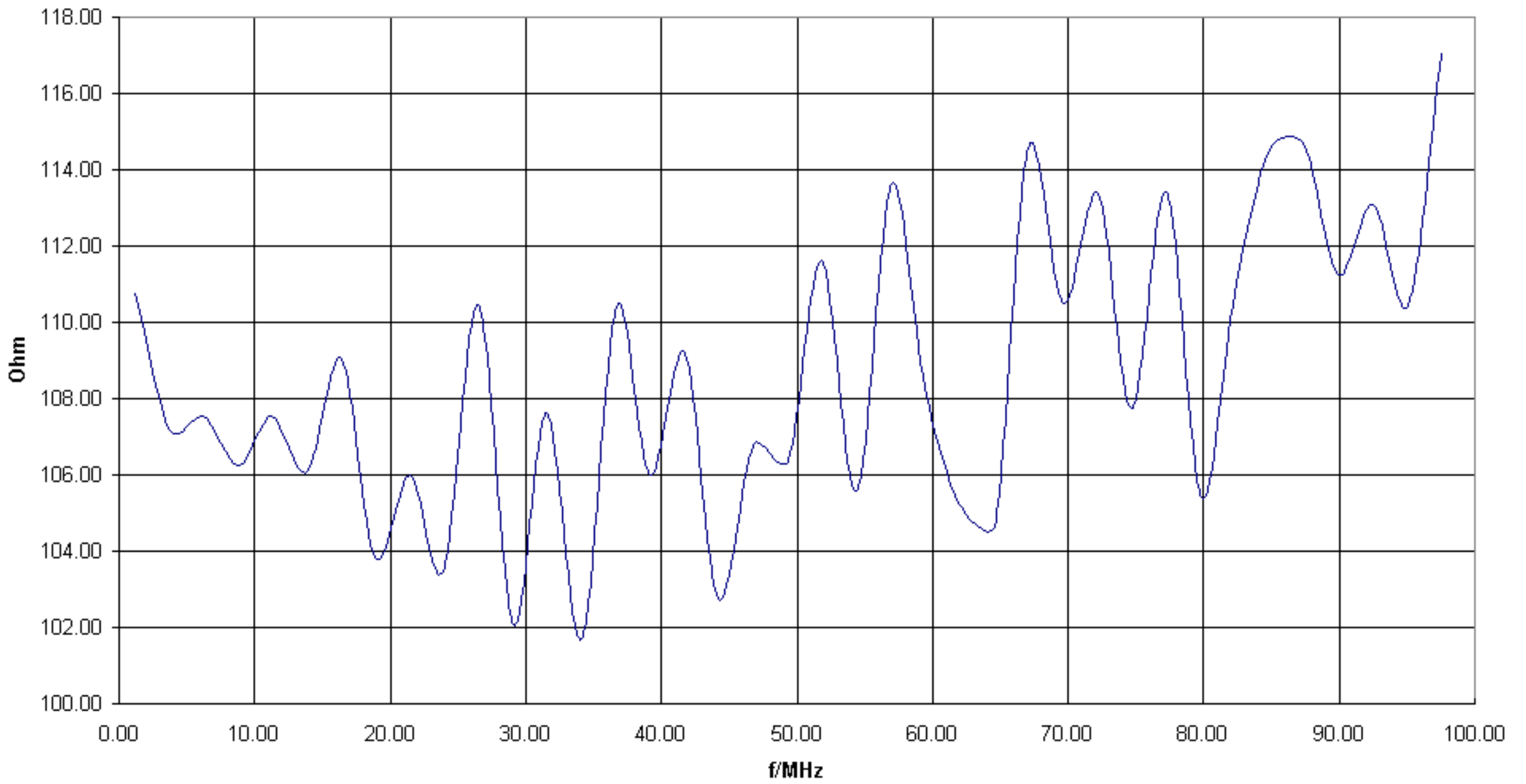
## Specifications:

<b>AES-EBU 110 Ohm Link</b>	
Cable Type:	Double screened twin core (Balanced)
Conductor Material:	Silver coated OFC
Design Purpose / Application Area(s):	AES-EBU standard digital signal interconnect
Eff. Conductor Ø / Eq. AWG No. / Strands:	Cores: 0.56 mm <sup>2</sup> / Cores: AWG 19.7 / Cores: 42; Screen: 120
External Diameter / -Dimensions:	7.25 mm.
Resistance (20 °C / 68 °F):	Cores: 3.1 Ohm/100 m.; Screen: 0.8 Ohm/100 m.
Capacitance:	-
Characteristic Impedance:	110 Ohm
HF Performance Graphs:	Characteristic Impedance and Attenuation: see images below
Insulation / Dielectric Strength / Test Voltage:	Internal conductors: PolyEthylene; Jacket: HULLIFLEX <sup>®</sup> 2 / 300 Vrms min.
Connector Types Suitable:	Our RCA type C - 7.3; Neutrik XLR; Custom mountable on ordered lengths.
Standard Sales Units / -Lengths:	100 m. reels; Single packed with RCA (unbalanced) or XLR (balanced) connectors in 0.6, 0.8, 1.0, 1.2 and 1.5 m. lengths; Larger lengths: on customer specification.
Jacket Colour(s) Available:	White

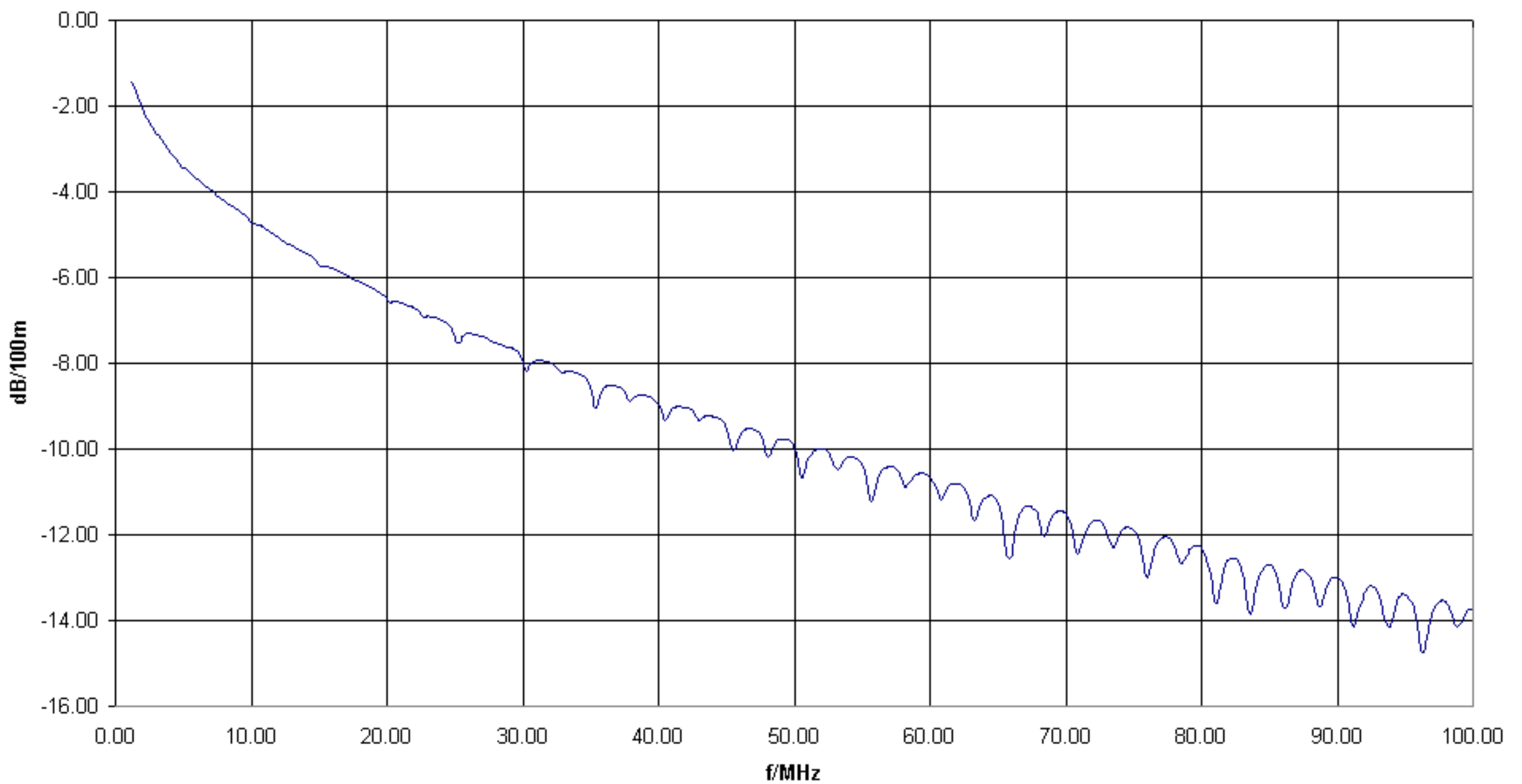
Remarks:

RCA connector terminated units are equipped with a ground-end marking sticker.  
Our AES-EBU 110 Ohm Professional is a technically extended version of this cable.

**Characteristic Impedance  
van den Hul AES-EBU 110 Ohm Link**



**Attenuation  
van den Hul AES-EBU 110 Ohm Link**



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