











THE ROUTE OF LEAST RESISTANCE

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# VAN DAMME AMBICORE 15A POWER & 2 X SIGNAL TOUR GRADE MULTICORE



The dual signal Van Damme Ambicore cable is a hybrid multicore with 2 x AES/EBU lap screened & jacketed pairs combined with a 1.5 mm<sup>2</sup> jacketed power cable. Flexible, with a comparatively small overall diameter, this cable can be used for power and signal applications such as dual DMX control, stereo analogue audio and AES digital audio.

KEY BENEFITS		MATERIALS			APPLICATIONS		
							
Flexibility	Analogue or Digital signals	Oxygen Free Copper	Flexible PVC	Foamed Polyethylene	Presentations	Live Sound	Lighting Companies

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## Applications

- Self-powered speakers from studio monitors to public address systems
- Power and DMX512 control for lighting applications
- Dual balanced analogue or AES digital audio, RS422/485 or DMX512 control with a power feed

## Application Notes

- 2 x AES/EBU lapped copper screened twisted pairs suitable for analogue balanced and digital audio
- Suitable for any 100 to 110 Ohm balanced data application such as RS422, RS485, DMX512 and timecode
- Ultra-pure oxygen free copper for outstanding sonic integrity

## Mechanical Specification

### Power Element

3 x 1.50 mm<sup>2</sup> (IEC 60228 class 6)

Diameter 6.80 mm ± 0.15 mm

### AES 1 Pairs

Conductor	7 x 0.16 mm bare ultra-pure oxygen-free copper
Conductor size	7 x 0.16 mm, 0.14 mm <sup>2</sup> , AWG 26/7
Insulation	Foam skin polyethylene
Colour Code	Pair 1 White/Red, Pair 2 White/Green
Separator	Fleece Tape
Screen	Tinned lapped copper > 90% optical coverage
Jacket material	Flexible PVC composite
Overall diameter	3.00 ± 0.15 mm
Colour	Jet Black, RAL 9005

### Overall Construction & Dimensions

Separator	Fleece Tape
Overall Jacket	Flexible PVC
Colour	Jet Black RAL 9005
Bend radius	10 x overall diameter
Operating temperature	-15 to +70 °C

## Electrical Specification

### AES 1 Pair

Resistance	Conductor	< 138 Ohm/km
	Insulation	> 20 MOhm/km
Capacitance	Core to core	52 pF/m
	Core to screen	89 pF/m
Impedance	1 -4 MHz	110 ± 20% Ohms



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### Part Number and Description

Part Number	Description	Overall Diameter	Max. Reel Length
268-715-002	Van Damme Ambicore Power & 2 x Signal Multicore	12.30 ± 0.40 mm	500 m

### Standards and Compliance

RoHS 3 2015/865	Restriction of Hazardous Substances
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals