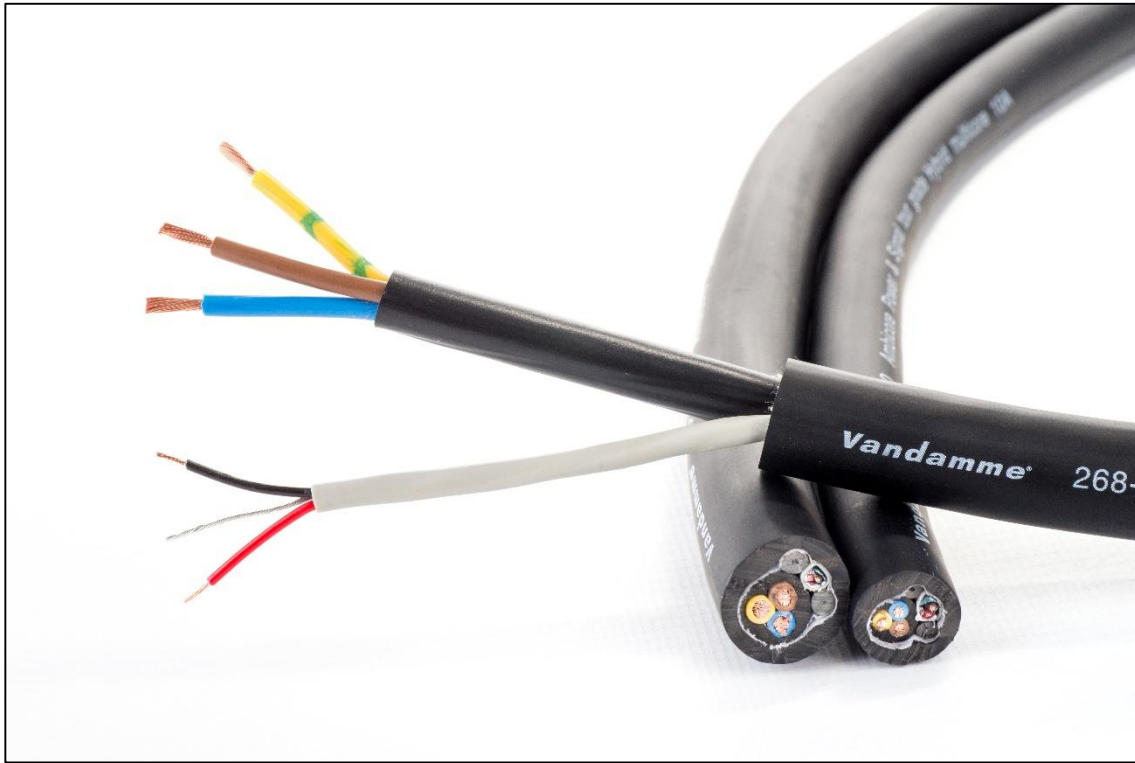




THE ROUTE OF LEAST RESISTANCE

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VAN DAMME AMBICORE POWER & SIGNAL TOUR GRADE MULTICORE



The Van Damme Ambicore range is a hybrid multicore with an AES/EBU screened & jacketed pair combined with 0.75 mm², 1 mm², 1.5 mm² or 2.5 mm² jacketed power cables. Very flexible and specified for dynamic use this cable range provides an elegant solution to the problem of integrated signal and power distribution.

KEY BENEFITS



Flexibility



Analogue or Digital signals

MATERIALS



Oxygen Free Copper



Flexible PVC



Foamed Polyethylene

APPLICATIONS



Presentations



Live Sound



Lighting Companies

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Applications

- Self-powered speakers from studio monitors to public address systems
- Power and DMX512 for stand-alone light fixtures
- Interfacing 2 track AES/EBU recorders with existing systems
- Any application requiring balanced analogue or AES digital audio, RS422/485 or DMX512 control with a power feed

Application Notes

- AES/EBU twisted pair suitable for analogue balanced and digital audio
- Suitable for any 100 to 110 Ohm balanced data application such as RS422, RS485, DMX512 and timecode
- Power elements compliant with HO5VV-F harmonised standard
- Ultra-pure oxygen free copper for outstanding sonic integrity

Mechanical Specification

Power Elements

Power Conductor Type PVC Insulated HO5VV-F

268-775-000	3 x 0.75 mm ² 5 Amp	Diameter 6.35 mm ± 0.15 mm
268-710-000	3 x 1.00 mm ² 10 Amp	Diameter 7.00 mm ± 0.15 mm
268-715-000	3 x 1.50 mm ² 15 Amp	Diameter 8.30 mm ± 0.15 mm
268-725-000	3 x 2.50 mm ² 20 Amp	Diameter 9.90 mm ± 0.15 mm

AES 1 Pair (268-775-000 only)

Conductor	7 x 0.16 mm bare ultra-pure oxygen-free copper
Conductor size	7 x 0.16 mm, 0.14 mm ² , AWG 26/7
Insulation	Foam skin polyethylene
Insulation diameter	1.10 ± 0.10 mm
Colour Code	Red/Black
Drain wire	7 x 0.16 mm tinned ultra-pure oxygen-free copper
Drain wire size	7 x 0.16 mm, 0.14 mm ² , AWG 26/7
Screen	24 µm Aluminium/Polyester Foil > 150% coverage
Jacket material	Flexible PVC composite
Overall diameter	2.90 ± 0.15 mm
Colour	Pebble Grey, RAL 7032

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AES 1 Pair (All others)

Conductor	7 x 0.20 mm bare ultra-pure oxygen-free copper
Conductor size	7 x 0.20 mm, 0.22 mm ² , AWG 24/7
Insulation	Foam skin polyethylene
Insulation diameter	1.40 ± 0.10 mm
Colour Code	Red/Black
Drain wire	7 x 0.20 mm tinned ultra-pure oxygen-free copper
Drain wire size	7 x 0.20 mm, 0.22 mm ² , AWG 24/7
Screen	24 µm Aluminium/Polyester Foil > 150% coverage
Jacket material	Flexible PVC composite
Overall diameter	3.90 ± 0.15 mm
Colour	Pebble Grey, RAL 7032

Overall Construction & Dimensions

Separator	Fleece Tape
Overall Jacket	Flexible PVC
Colour	Jet Black RAL 9005
Bend radius	15 x overall diameter
Operating temperature	-20 to +70 °C

Electrical Specification

AES 1 Pair (268-775-000 only)

Resistance	Conductor	< 144 Ohm/km
	Insulation	> 5000 MOhm/km
Capacitance	Core to core	50 pF/m
	Core to screen	100 pF/m
Impedance	1 -4 MHz	110 ± 20% Ohms

AES 1 Pair (all others)

Resistance	Conductor	< 90 Ohm/km
	Insulation	> 5000 MOhm/km
Capacitance	Core to core	40 pF/m
	Core to screen	80 pF/m
Impedance	1 -4 MHz	110 ± 20% Ohms



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Part Numbers and Description

Part Number	Description	Overall Diameter	Max. Reel Length
268-775-000	Van Damme Ambicore Power & Signal Multicore 5A	11.50 mm	500 m
268-710-000	Van Damme Ambicore Power & Signal Multicore 10A	14.20 mm	500 m
268-715-000	Van Damme Ambicore Power & Signal Multicore 15A	15.50 mm	500 m
268-725-000	Van Damme Ambicore Power & Signal Multicore 20A	17.30 mm	500 m

Standards and Compliance

RoHS 2011/65/EU	Restriction of Hazardous Substances
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals