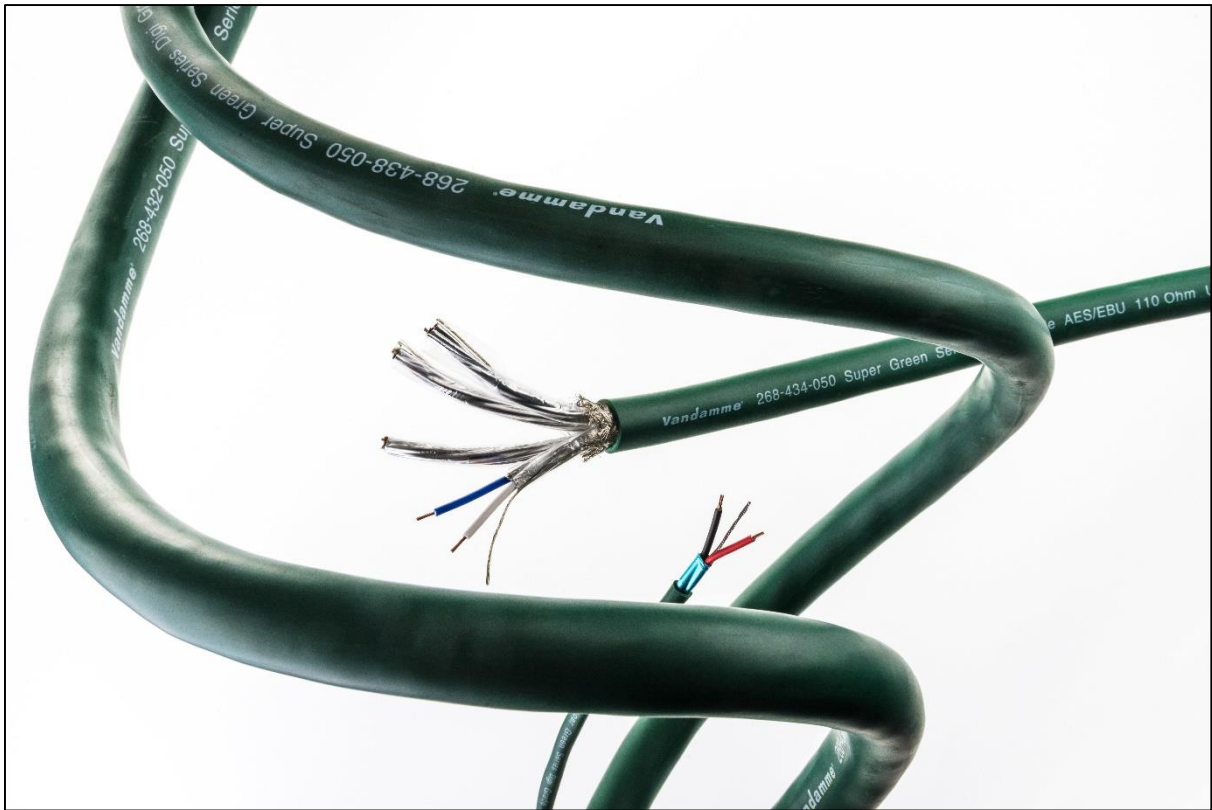




THE ROUTE OF LEAST RESISTANCE

HEAR NO EVIL

VAN DAMME SUPER GREEN SERIES DIGI GRADE ENHANCED AES/EBU 110 OHM PRE-JACKETED CABLE



Van Damme Super Green enhanced AES/EBU cable is a foil screen overall braid multicore and a PVC jacketed one pair cable optimised for the long distance transmission of 96 KHz digital audio signals. With its multicore construction based on the already well proven Van Damme Black Series this cable is also ideally suited to the rigours of touring systems. With many manufacturers’ amplifiers optimised for 96KHz AES/EBU inputs this range provides an effective solution for getting from the FOH mixing desk to the on stage amplifier racks. In addition, the one pair type can be used for rack wiring and non-LSZH installations.

KEY BENEFITS



Characteristic
110 Ohm
impedance



Analogue and
Digital
signals



Extended
Distance
Transmission

MATERIALS



Oxygen Free
Copper



Flexible PVC



Foam skin
polyethylene

APPLICATIONS



Broadcast



Live Sound

HEAR NO EVIL

Applications

- Long distance transmission of AES/EBU digital audio signals
- Analogue and/or digital PA returns multipin looms from 1 - 12 pairs
- Any 100 to 110 Ohm balanced data application such as RS422, RS485, DMX512 and timecode

Application Notes

- Overall braid for outstanding mechanical durability combined with good flexibility
- 22AWG conductors for low capacitance and excellent attenuation figures
- Electrically engineered for long distance 96KHz digital audio transmission -150 metres without equalisation is well within the cables' performance
- Ultra-pure oxygen free copper for outstanding sonic integrity

Mechanical Specification

Multicores

Pairs

Conductor	7 x 0.25 mm bare ultra-pure oxygen-free copper
Conductor size	7 x 0.25 mm, 0.34 mm ² , AWG 22/7
Insulation	Foam skin polyethylene
Insulation diameter	1.75 ± 0.10 mm
Colour Code	IEC 189-2 appendix A
Drain wire	7 x 0.25 mm tinned ultra-pure oxygen-free copper
Drain wire size	7 x 0.25 mm, 0.34 mm ² , AWG 22/7
Screen	24 µm Aluminium/Polyester Foil > 100% coverage with clear polyester overwrap

Overall Construction

Separator	Soft textile tape > 125% coverage
Overall braid	Tinned copper wire > 85% optical coverage
Jacket material	Flexible PVC composite
Colour	Moss Green, RAL 6005
Bend Radius	15 x overall diameter
Operating temperature	-15 to +70 °C

HEAR NO EVIL

1 Pair

Conductor	7 x 0.25 mm bare ultra-pure oxygen-free copper
Conductor size	7 x 0.25 mm, 0.34 mm ² , AWG 22/7
Insulation	Foam skin polyethylene, Red/Black
Insulation diameter	1.75 ± 0.10 mm
Drain wire	7 x 0.25 mm tinned ultra-pure oxygen-free copper
Drain wire size	7 x 0.25 mm, 0.34 mm ² , AWG 22/7
Screen	24 µm Aluminium/Polyester Foil > 100% coverage
Jacket material	Flexible PVC composite
Overall diameter	4.80 ± 0.15 mm
Colour	Moss Green, RAL 6005
Bend Radius	10 x overall diameter
Operating temperature	-15 to +70 °C

Electrical Specification

Multicores

Resistance	Conductor	< 59 Ohm/km
	Insulation	> 5000 MOhm/km
Capacitance	Core to core	40 pF/m
	Core to screen	80 pF/m
Impedance	1 -3 MHz	110 ± 20% Ohms
Attenuation	3 MHz	4.90 dB/100 m

1 Pair

Resistance	Conductor	< 59 Ohm/km
	Insulation	> 5000 MOhm/km
Capacitance	Core to core	40 pF/m
	Core to screen	80 pF/m
Impedance	1 -3 MHz	110 ± 20% Ohms
Attenuation	3 MHz	4.90 dB/100 m

Part Numbers and Description

Part Number	Description	Overall Diameter	Max. Reel Length
268-434-050	Van Damme Super Green Series Digi Grade 4 pair multicore	13.30 mm	500 m
268-438-050	Van Damme Super Green Series Digi Grade 8 pair multicore	17.20 mm	500 m
268-432-050	Van Damme Super Green Series Digi Grade 12 pair multicore	21.0 mm	500 m
268-431-050	Van Damme Super Green Series Digi Grade 1 pair	4.80 mm	500 m

Standards and Compliance

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