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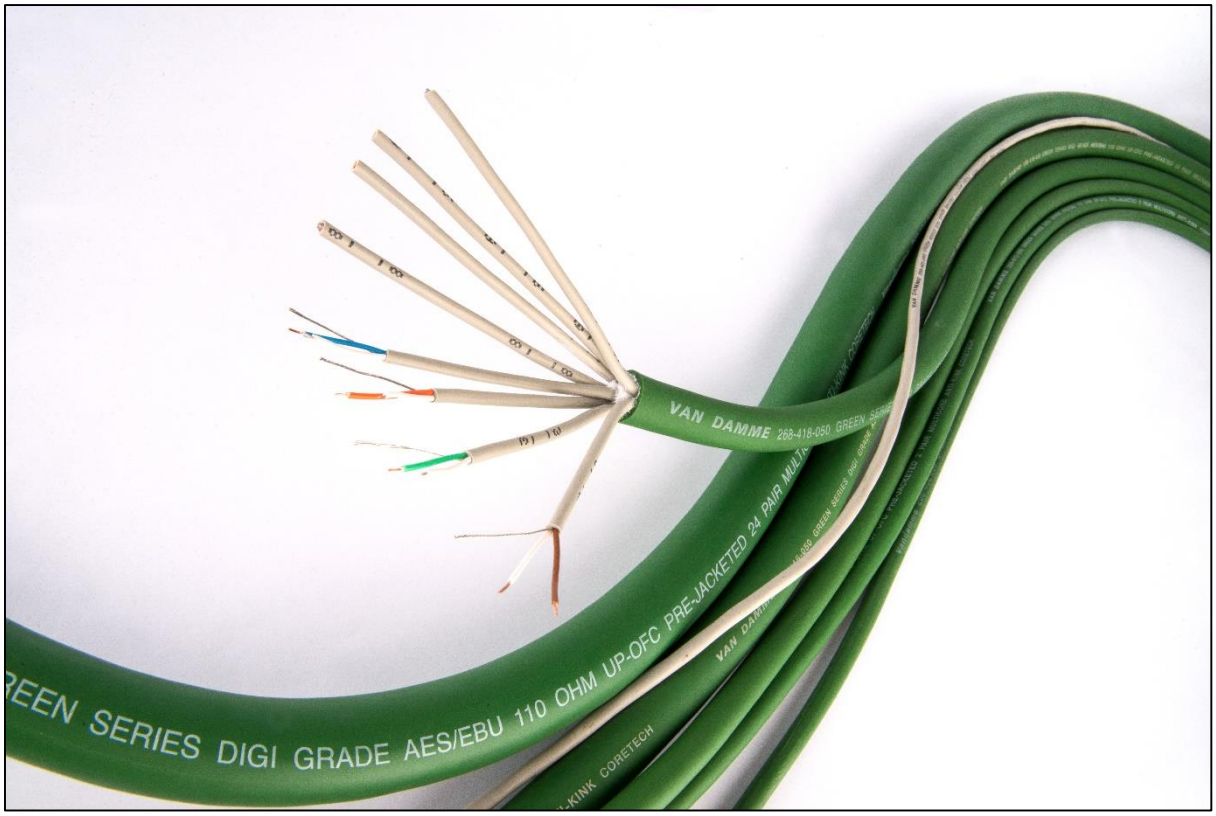
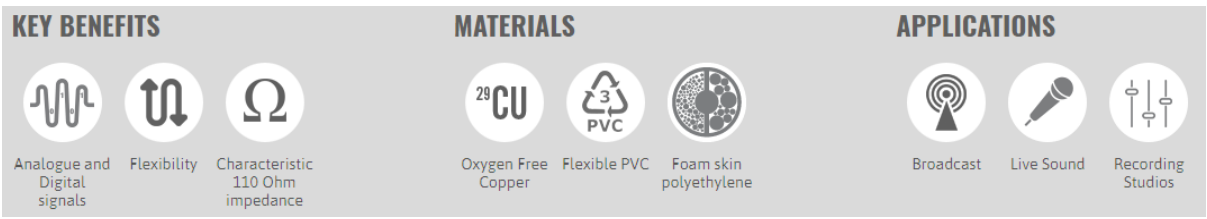
VAN DAMME GREEN SERIES DIGI GRADE AES/EBU 110 OHM PRE-JACKETED CABLE



Van Damme Green Series Digi Grade cables have been specifically designed for the accurate transmission of AES/EBU digital audio signals. Low capacitance and stable characteristic impedance ensure that signals remain error and jitter free over long distances. This also makes this cable range suitable for other critical data transfer applications such as RS422, midi and timecode. Also suitable for balanced analogue audio use.



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Applications

- Digital audio signal transmission for installations, equipment racks and devices from 1 - 24 pairs
- Break-in and break-out cables for Digital Audio Workstations, Analogue to Digital and Digital to Analogue converters
- AES microphone cable for interfacing 2 track AES I/Os and flexible patchcords
- Cabling for AES specific audio patchbays
- Any 100 to 110 Ohm balanced data application such as RS422, RS485, DMX512 and timecode

Application Notes

- Suitable for analogue balanced audio as well as AES/EBU
- Multicore types have 26AWG conductors for reduced overall diameter; 8 pair variant will comfortably fit into the industry standard AES D25 connector shell
- Ultra-pure oxygen free copper for outstanding sonic integrity

Mechanical Specification

Multicores

Pairs

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	IEC 189-2 appendix A
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

Overall Construction

Jacket material	Flexible PVC composite
Colour	Leaf Green, RAL 6002
Bend Radius	10 x overall diameter
Operating temperature	-15 to +70 ^oC

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1 Pair 268-401-050

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, Red/Black
Insulation diameter	1.40 ± 0.10 mm
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
Bend Radius	10 x overall diameter
Operating temperature	-15 to +70 °C

AES Mic 268-402-050

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, Red/Blue
Insulation diameter	1.40 ± 0.10 mm
Screen	72 x 0.10 mm lapped bare copper > 90% coverage
Jacket material	Flexible PVC composite
Overall diameter	6.20 ± 0.15 mm
Colour	Leaf Green, RAL 6002
Bend Radius	15 x overall diameter
Operating temperature	-15 to +70 °C

Electrical Specification

Multicores

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
Attenuation	3 MHz	7.05 dB/100 m

1 Pair 268-401-050

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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AES Mic 268-402-050

Resistance	Conductor	< 93 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

Part Numbers and Description

Part Number	Description	Overall Diameter	Max. Reel Length
268-412-050	Van Damme Green Series Digi Grade 2 pair multicore	7.50 mm	500 m
268-414-050	Van Damme Green Series Digi Grade 4 pair multicore	9.20 mm	500 m
268-418-050	Van Damme Green Series Digi Grade 8 pair multicore	12.20 mm	500 m
268-416-050	Van Damme Green Series Digi Grade 16 pair multicore	16.30 mm	500 m
268-424-050	Van Damme Green Series Digi Grade 24 pair multicore	20.50 mm	500 m
268-401-050	Van Damme Green Series Digi Grade 1 pair	3.90 mm	500 m
268-402-050	Van Damme Green Series Digi Grade AES Microphone cable	6.20 mm	500 m

Standards and Compliance

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