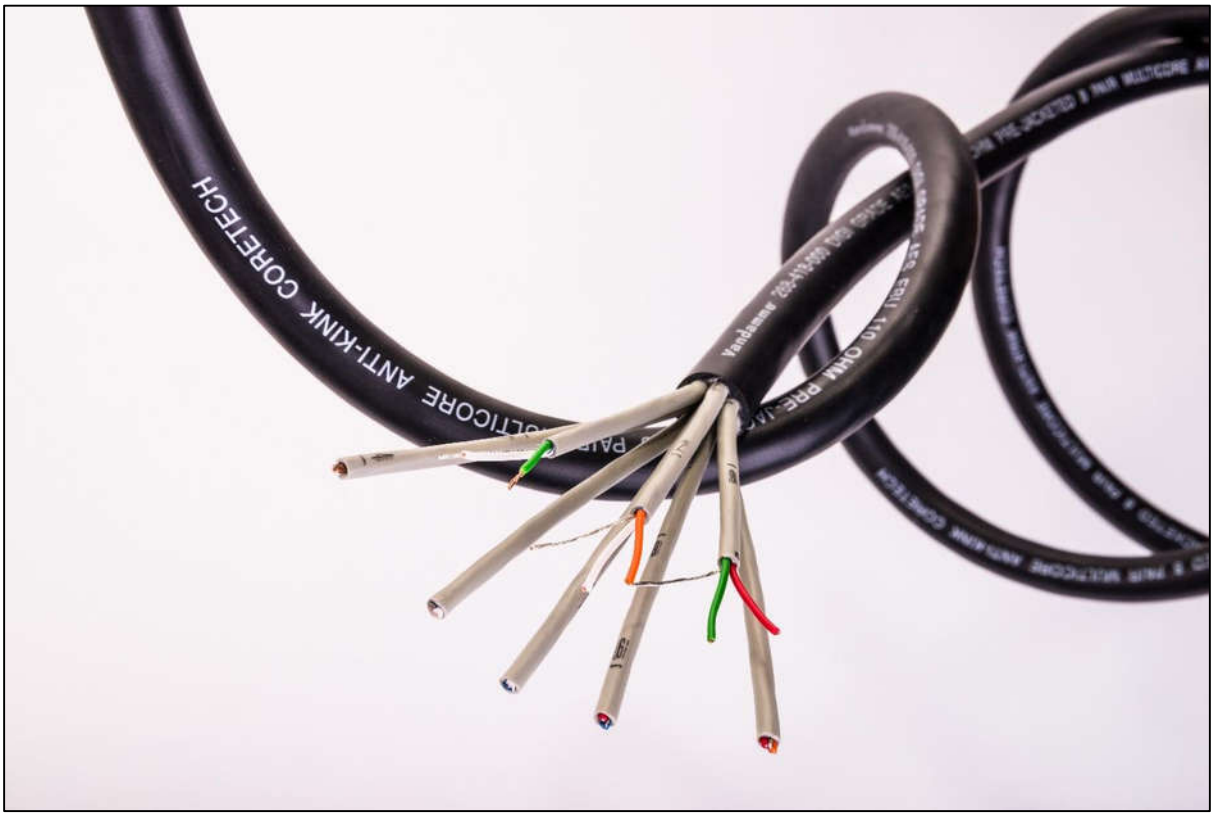
HEAR NO EVIL

VAN DAMME DIGITOUR AES/EBU & DMX 110 OHM PRE-JACKETED CABLE



The Van Damme Digitour cables are black jacketed versions of the Green Series AES Microphone cable and 2, 4, 8 and 12 pair pre-jacketed multicores, introduced in response to user requests. Green Series is often used for DMX512 control signals, but lacks the unobtrusive jacket colour often needed by the Lighting and Presentation markets. Low capacitance and stable characteristic impedance make these cables ideal for DMX512 as well as AES/EBU and analogue audio signals



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Applications

- DMX transmission for lighting fixtures and devices
- Digital audio signal transmission for installations, equipment racks and devices
- Any 100 to 110 Ohm balanced data application such as RS422, RS485, and timecode

Application Notes

- Suitable for analogue balanced audio and AES/EBU as well as DMX512
- 2, 4, 8 and 12 way multicores have 26AWG conductors for reduced overall diameter; single cable has 24AWG conductors
- Ultra-pure oxygen free copper for outstanding sonic integrity

Mechanical Specification

Multicore

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	Jet Black, RAL 9005
Bend Radius	15 x overall diameter
Operating temperature	-15 to +70 ^oC

DMX/AES Mic 268-482-000

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	Jet Black, RAL 9005
Bend Radius	15 x overall diameter
Operating temperature	-15 to +70 ^oC

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Electrical Specification

Multicore

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

DMX/AES Mic 268-482-000

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
268-412-000	Van Damme Digitour DMX/AES 2 pair multicore	7.70 mm	500 m
268-414-000	Van Damme Digitour DMX/AES 4 pair multicore	9.20 mm	500 m
268-418-000	Van Damme Digitour DMX/AES 8 pair multicore	12.20 mm	500 m
268-482-012	Van Damme Digitour DMX/AES 12 pair multicore	15.00 mm	500 m
268-482-000	Van Damme Digitour DMX/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