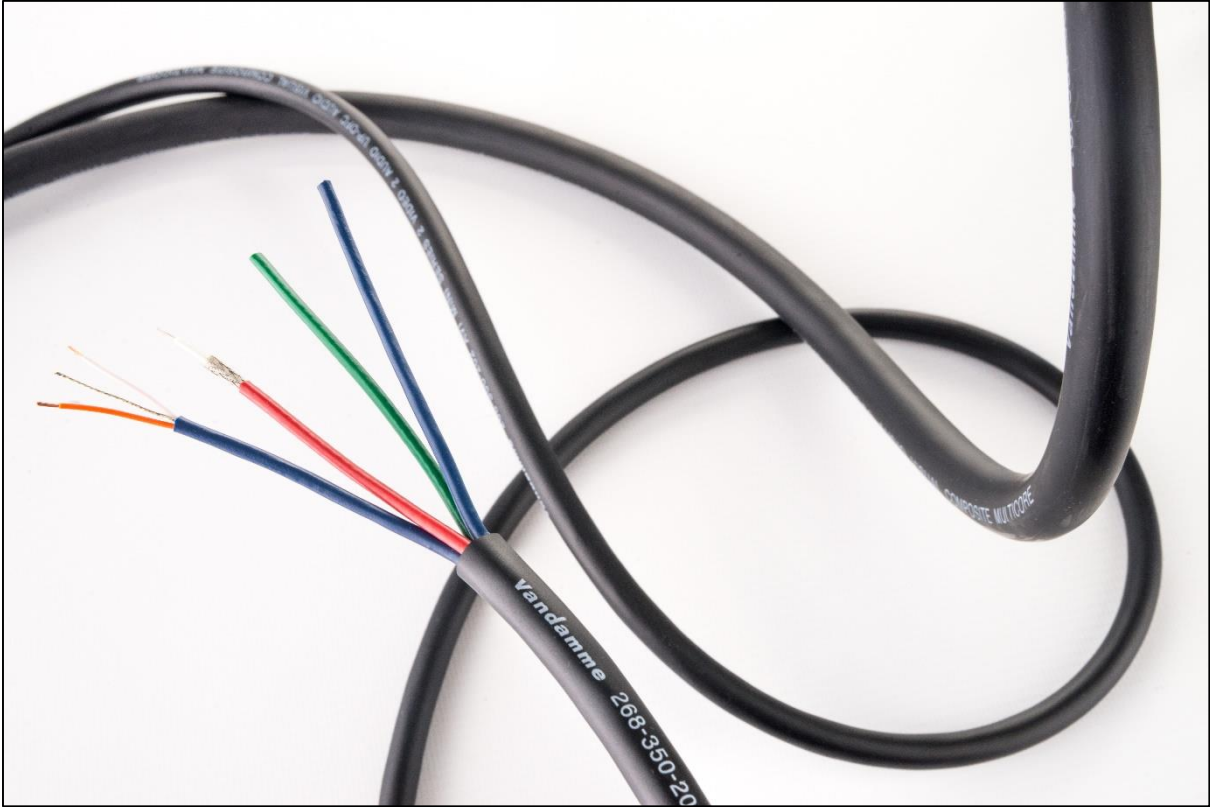




THE ROUTE OF LEAST RESISTANCE

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VAN DAMME AVI SERIES AUDIO VIDEO COMPOSITE MULTICORE



A 2 video 2 audio composite multicore with miniature video coaxials coupled with the 1 pair audio cable from Van Damme Blue Series. This cable provides an elegant solution for the transmission of dual video and analogue audio signals within the same outer jacket.

KEY BENEFITS			MATERIALS			APPLICATIONS		
Precision 75Ω Impedance	Flexibility	Low overall diameter	Oxygen Free Copper	Foam skin polyethylene	Flexible PVC	Broadcast	Theatres	Presentations

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Applications

- Transmission of analogue audio and video signals in one jacket
- Audio-visual solutions - lecterns, remote prompting, press conferences, stage management

Application Notes

- 30 metre recommended maximum length for analogue video
- Longer run lengths achievable using appropriate distribution amplifiers (DAs)
- Matt black ultra-flexible jacket for dynamic use
- Ultra-pure oxygen free copper for outstanding sonic integrity
- Miniature coaxials use RG179 type connectors and small BNC boots

Mechanical Specification

Video Coaxials

Conductor	7 x 0.12 mm bare ultra-pure oxygen-free copper
Conductor size	7 x 0.12 mm, 0.08 mm ² , AWG 30/7
Dielectric	Foam skin polyethylene
Diameter	1.60 ± 0.07 mm
Screen	Tinned braided oxygen free copper, < 95% coverage
Overall Jacket	Flexible antistatic PVC
Coax colours	Red, Green
Overall diameter	2.60 ± 0.07 mm

Audio Pairs

Conductor	28 x 0.10 mm bare ultra-pure oxygen-free copper
Conductor size	28 x 0.10 mm, 0.22 mm ² , AWG 24/28
Insulation	Polypropylene
Insulation diameter	1.20 ± 0.10 mm
Colour Code	IEC 189-2 appendix A
Drain wire	19 x 0.12 mm tinned ultra-pure oxygen-free copper
Drain wire size	19 x 0.12 mm, 0.22 mm ² , AWG 24/19
Screen	24 µm Aluminium/Polyester Foil > 150% coverage
Jacket material	Flexible PVC composite
Overall diameter	2.70 ± 0.15 mm
Colour	Sapphire Blue, RAL 5003

Overall Construction

Overall jacket	Flexible PVC composite Jet Black RAL 9005
Overall diameter	8.60 ± 0.15 mm
Bend Radius	15 x overall diameter
Operating temperature	-15 to +70 °C

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Electrical Specification

Video Coaxials

Impedance		75 ± 5 Ohms
Conductor Resistance		< 235 Ohm/km
Capacitance		56.5 pF/m
Velocity of Propagation		80%
Attenuation (dB/100m)	10 MHz	6.99
	50 MHz	15.77
	100 MHz	22.74
	135 MHz	26.64
	180 MHz	30.99

Audio Pairs

Resistance	Conductor	< 90 Ohm/km
	Insulation	> 5000 MOhm/km
Capacitance	Core to core	100 pF/m
	Core to screen	200 pF/m

Part Number and Description

Part Number	Description	Max. Reel Length
268-350-202	Van Damme AVI Mini Series 2 video 2 audio multicore	500 m

Recommended BNC Connectors

335-012-000	Van Damme BNC cable male RG179B/U
335-014-179	Van Damme BNC cable female RG179B/U
335-012-179	Van Damme BNC bulkhead female RG179B/U Neutrik rearTWIST HD BNC NBTC75BLI4

Connector selection criteria:

Conductor 0.38 mm Dielectric diameter 1.60 mm Overall diameter 2.60 mm (0.38/1.6/2.6)

Standards and Compliance

RoHS 2011/65/EU Restriction of Hazardous Substances

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals