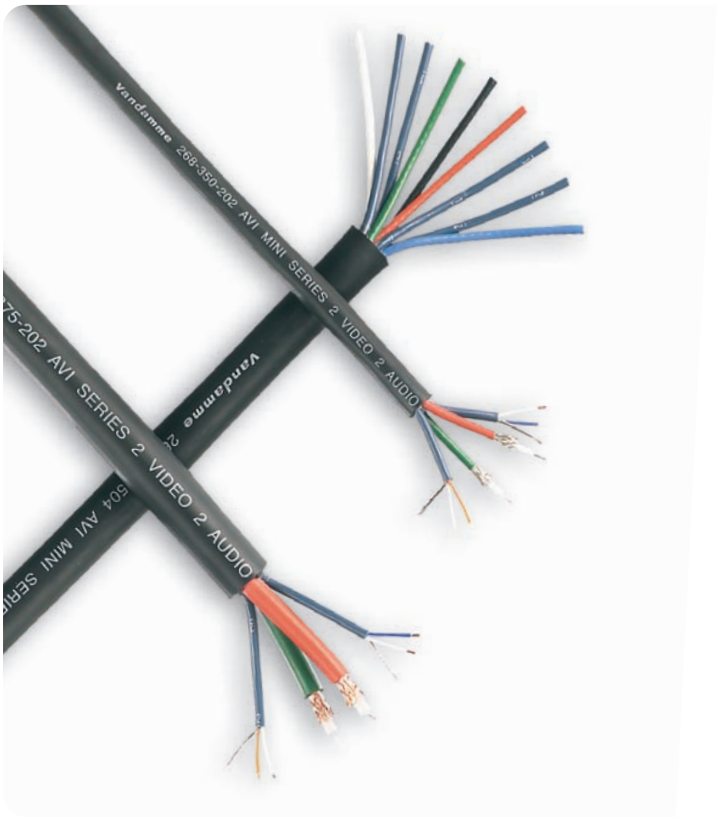
37 AVI Series Audio Video Composite multicores



A range of composite audio video multicores with the option of either Van Damme standard or miniature video coaxials coupled with the 1 pair audio cable from Van Damme Blue Series. These cables provide an elegant solution for the transmission of both video and analogue audio signals within the same outer jacket.

Applications

- Transmission of analogue audio and video signals in one jacket
- Audiovisual solutions - lecterns, remote prompting, press conferences, stage management
- Plasma screens with integrated audio
- Installations in areas not requiring low smoke zero halogen materials

Application notes

- Choice of miniature coaxial type (2 video 2 audio / 5 video 4 audio) or standard coaxial (2 video 2 audio)
- Matt black ultra flexible jacket for dynamic use
- Ultra pure oxygen free copper for outstanding sonic integrity

Miniature video coaxials

268-350-202 2 video 2 audio; 268-350-504 5 video 4 audio
Mechanical Specifications

Conductor	Material	Bare ultra pure oxygen free copper
	Stranding	7x 0.12mm (0.08mm²) AWG 30/7
Dielectric	Material	Foam Skin Polyethylene
	Average thickness	0.62mm
	Diameter	1.60mm ±0.05
Screen	Material	Tinned oxygen free braided copper wire
	Coverage	95%
	Dimension	16x5x0.10mm
Overall Jacket	Material	Flexible PVC
		2 coaxial 268-350-202:
		Red, Green
		Flexible PVC
		5 coaxial 268-350-504:
		Red, Green, Blue, Black, White
	Average thickness	0.30mm
	Overall diameter	2.60mm

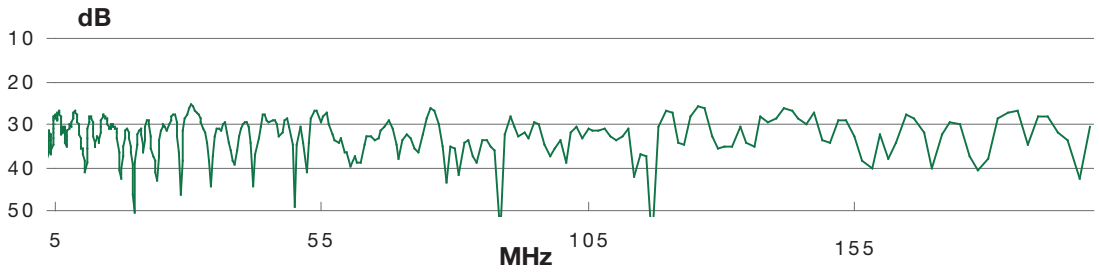
Physical properties unaged

Jacket (@ 60°C)	Tensile strength	> 10 N/mm²
	Elongation	> 125 %
	Heat Shock Test	150°C x 1 hour / No cracks

Electrical Specifications

Resistance	Conductor	235 Ohm/Km
	Shield	32 Ohm/Km
	Insulation	> 5000 M Ohm/Km
Voltage test		1000V DC 1 minute OK
Capacitance		56.5 pF/m
Velocity of propagation		78%
Impedance at 10MHz		75 Ohms ±2
Attenuation	5 MHz	4.91 dB/100m
	10 MHz	6.99 dB/100m
	50 MHz	15.77 dB/100m
	100 MHz	22.74 dB/100m
	135 MHz	26.64 dB/100m
	180 MHz	30.99 dB/100m

Structural return loss



Vandamme cable

Standard video coaxials

268-375-202 2 video 2 audio

Mechanical Specifications

Conductor	Material	Bare ultra pure oxygen free copper
	Stranding	7x 0.20mm (0.22mm²) AWG 24/7
Dielectric	Material	Polyethylene
	Average thickness	1.55mm
	Diameter	3.73mm ± 0.03
Screen	Material	Bare oxygen free braided copper wire
	Coverage	95%
	Dimension	16x9x0.12mm
Overall Jacket	Material	Flexible PVC
		2 coaxial 268-375-202
		Red, Green
	Average thickness	0.95mm
	Overall diameter	6.15mm

Physical properties unaged

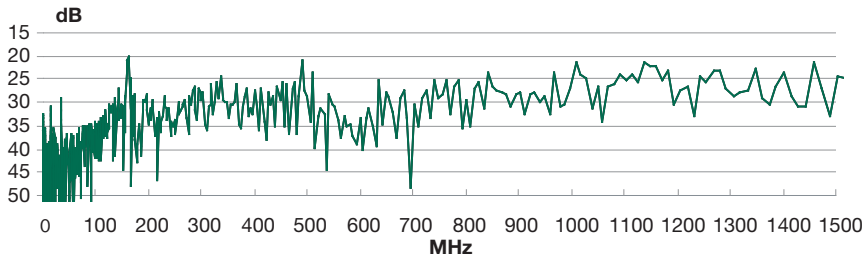
Jacket (@ 60°C)	Tensile strength	> 10 N/mm²
	Elongation	> 125 %
	Heat Shock Test	150°C x 1 hour / No cracks

Electrical Specifications

Resistance	Conductor	85 Ohm/Km
	Shield	13 Ohm/Km
	Insulation	> 5000 M Ohm/Km
Voltage test		7000V DC 1 minute OK
Capacitance		67 pF/m
Velocity of propagation		66%
Impedance at 10 MHz		75 Ohms ±2
Attenuation	10 MHz	4.21 dB/100m
	100 MHz	13.32 dB/100m
	135 MHz	15.08 dB/100m
	180 MHz	17.42 dB/100m
	200 MHz	18.36 dB/100m
	400 MHz	28.11 dB/100m
	743 MHz	38.31 dB/100m

• Maximum reel length 500 metres

Structural return loss



Audio pairs - all types

268-350-202 2 video 2 audio; 268-350-504 5 video 4 audio; 268-375-202 2 video 2 audio Pair specifications

Conductor	Material	Bare ultra pure oxygen free copper wire	
	Stranding	28 x 0.10 (0.22mm²) AWG 24/28	
Insulation	Material	Polypropylene	
	Average thickness	0.22mm	
	Diameter	1.00mm ±0.10	
	Colour coding	IEC 189-2 appendix A	
Cabling	Type	Twisted pair	
	Lay length	~28mm	
Screen	Type	24µm Aluminium/polyester foil >150% coverage	
	Drain wire	19 x 0.12 (0.22mm²) AWG 24/19	
Jacket	Material	PVC composite Sapphire blue RAL 5003	
	Average thickness	0.34mm	
	Overall diameter	2.70mm ±0.10	

Physical properties unaged

Jacket (at 60°C)	Tensile strength	>12.5N/mm²	
	Elongation	>100%	
	Heat shock test	150 °C x 1 hour - no cracks	

Electrical characteristics

Resistance	Conductor	Ohm/Km	<90
	Shield		<70
	Insulation	M Ohm/Km	>5000
Capacitance	Core to core	pF/m	100 nominal
	Core to shield		200 nominal
Test voltage		500 Vdc x 1 minute OK	

Mechanical Specifications - Multicores

	2 video 2 audio	5 video 4 audio	2 video 2 audio
Stock Code	268-302-020	268-304-020	268-305-020
Coax Colours	Red, Green	Red, Green, Blue, Black, White	Red, Green
Audio pairs	2; number and IEC colour coded	5; number and IEC colour coded	2; number and IEC colour coded
Material	Flexible PVC composite Jet Black RAL 9005		
Average thickness	1.00mm	1.50mm	1.50mm
Overall diameter	8.60mm	13.80mm	15.00mm
Bend radius	15 x overall diameter		
Weight	93 Kg/Km	216 Kg/Km	287 Kg/Km

Description

Stock code	Description	Reel length
268-350-202	Van Damme AVI Series mini 2 video 2 audio	500m
268-350-504	Van Damme AVI Series mini 5 video 4 audio	500m
268-375-202	Van Damme AVI Series standard 2 video 2 audio	500m