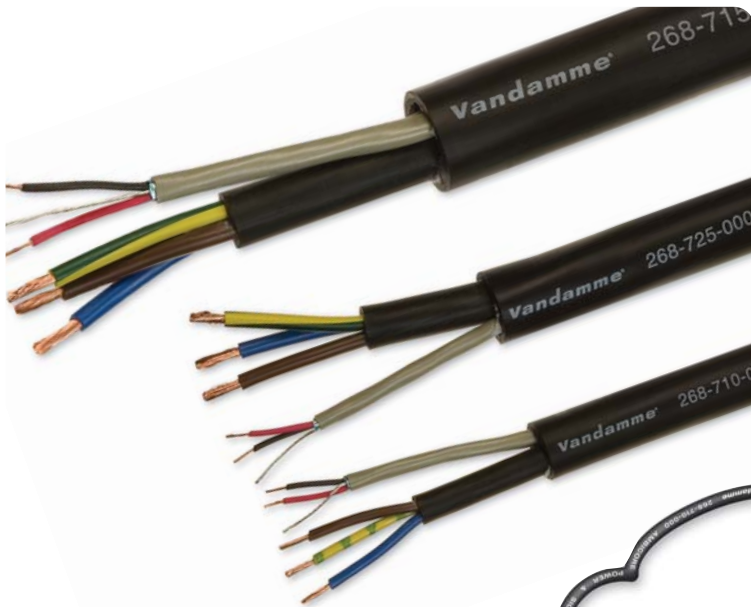




cable

Ambicore Power and Signal Tour Grade hybrid multicore



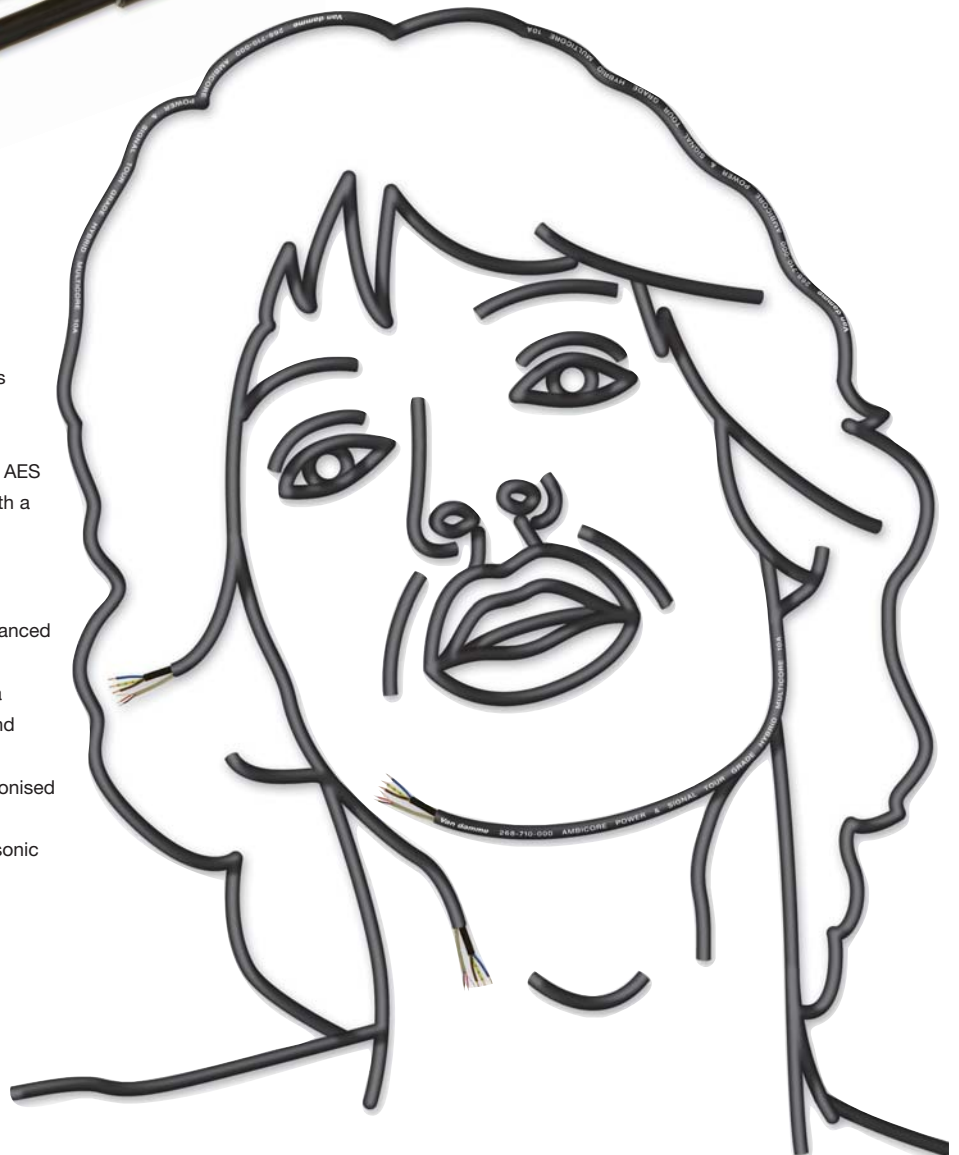
The Van Damme Ambicore range is a hybrid multicore with an AES/EBU screened & jacketed pair combined with 1mm, 1.5mm or 2.5mm jacketed power cables. Very flexible and specified for dynamic use this cable range provides an elegant solution to the problem of integrated signal and power distribution.

Applications

- Self powered speakers from studio monitors to public address systems
- Power and DMX512 for stand alone light fittings
- Interfacing 2 track AES/EBU recorders with existing systems
- Any application requiring balanced analogue or AES digital audio, RS422/485 or DMX512 control with a power feed

Application notes

- AES/EBU twisted pair suitable for analogue balanced and digital audio
- Suitable for any 100 to 110 Ohm balanced data application such as RS422, RS485, DMX512 and timecode
- Power elements compliant with HO5VV-F harmonised standard
- Ultra pure oxygen free copper for outstanding sonic integrity



AES/EBU twisted pair Conductor			
	Material	Bare ultra pure oxygen free copper wire	
	Stranding	7 x 0.20mm (0.22mm ²) AWG 24/7	
Insulation			
	Material	Foam skin polyolefin	
	Average thickness	0.20mm	
	Diameter	1.40mm ±0.10	
	Colour coding	Red/black	
Cabling			
	Type	Twisted pair	
	Lay length	~25mm	
Screen			
	Type	24µm Aluminium/polyester foil >150% coverage	
	Drain wire	7 x 0.20mm (0.22mm ²) AWG 24/7	
Jacket			
	Material	PVC composite Pebble grey RAL 7032	
	Average thickness	0.50mm	
	Overall diameter	3.90mm ±0.15	
Physical properties unaged Jacket (at 60°C)			
	Tensile strength	>12.5N/mm ²	
	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	50 nominal
	Core to shield		100 nominal
Impedance			
		110 Ohms ±20%	
Test voltage			
		500 Vdc x 1 minute OK	
Power elements			
	268-710-000	268-715-000	268-725-000
Conductors	1.00mm ² AWG 17 triad	1.50mm ² AWG 15 triad	2.50mm ² AWG 13 triad
Insulation	PVC Diameter 2.50mm ±0.10	PVC Diameter 3.00mm ±0.10	PVC Diameter 3.60mm ±0.10
Colour code	Brown, blue, green/yellow	Brown, blue, green/yellow	Brown, blue, green/yellow
Overall jacket	Flexible PVC composite black	Flexible PVC composite black	Flexible PVC composite black
Overall diameter	7.00mm ±0.15	8.30mm ±0.15	9.90mm ±0.15
Bend radius	10 x overall diameter	10 x overall diameter	10 x overall diameter

Characteristics by stock code

Stock code	Overall diameter mm	Weight Kg/km	Construction and lay up
268-710-000	14.20	234	Various elements laid up with plastic fillers,
268-715-000	15.50	282	fleece tape separator over, pressure
268-725-000	17.30	378	extruded overall jacket

- Maximum reel length 500 metres