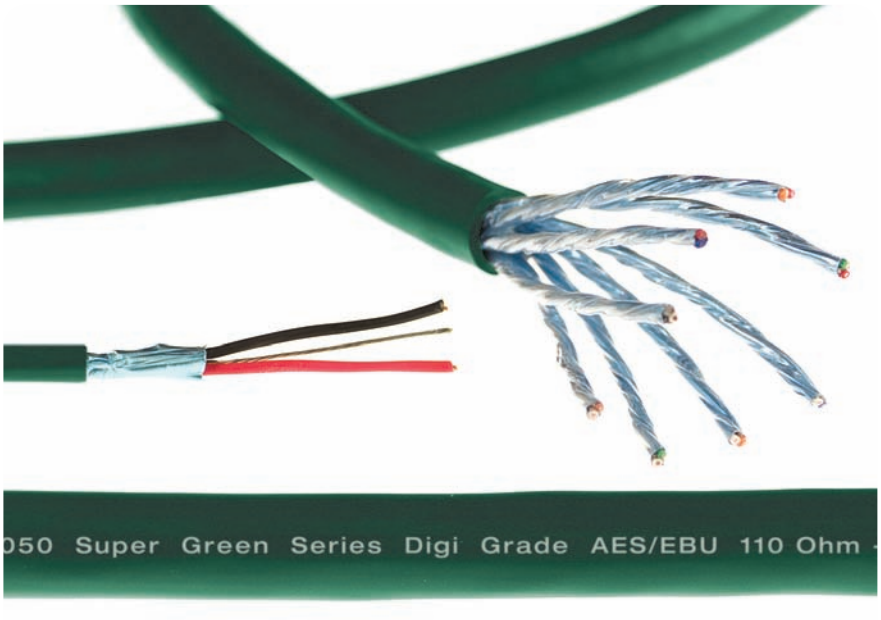
cable

4 Van Damme Super Green Digi Grade Enhanced AES/EBU 110 Ohm UP-OFC



Van Damme Super Green enhanced AES/EBU cable is a foil screen overall braid multicore and a PVC jacketed one pair cable optimised for the long distance transmission of 96 KHz digital audio signals. With its multicore construction based on the already well proven Van Damme Black Series this cable is also ideally suited to the rigours of touring systems. With many manufacturers amplifiers now optimised for 96KHz AES/EBU inputs this range provides an effective solution for getting from the FOH mixing desk to the on stage amplifier racks. In addition the one pair type can be used for rack wiring and non-LSZH installations.

Applications

- Long distance transmission of AES/EBU digital audio signals
- Analogue and/or digital PA returns multipin looms from 1 - 12 pairs
- Any 100 to 110 Ohm balanced data application such as RS422, RS485, DMX512 and timecode

Application notes

- Overall braid for outstanding mechanical durability combined with good flexibility
- 22AWG conductors for low capacitance and excellent attenuation figures
- Electrically engineered for long distance 96KHz digital audio transmission -150 metres without equalisation is well within the cables performance
- Ultra pure oxygen free copper for outstanding sonic integrity

super green series

Pair specification (one pair)			
Conductor	Material	Bare ultra pure oxygen free copper wire	
	Stranding	7 x 0.25mm (0.34mm²) AWG 22/7	
Insulation	Material	Foam skin polyolefin	
	Diameter	1.75mm ±0.10	
	Colour coding	Red & Black	
Cabling	Type	Twisted pair	
	Lay length	~25mm	
Screen	Type	24µm Aluminium/polyester foil >100% coverage	
	Drain wire	7 x 0.25mm (0.34mm²) AWG 22/7	
Overall Jacket (PVC)			
Overall jacket	Material	Flexible PVC composite	
	Colour	Moss green RAL 6005	
Bend radius		10 x overall diameter	
Physical properties unaged			
Jacket (at 60°C)			
	Tensile strength	>10N/mm²	
	Elongation	>100%	
	Heat shock test	150 °C x 1 hour - no cracks	
Pair specification (multicore)			
Conductor	Material	Bare ultra pure oxygen free copper wire	
	Stranding	7 x 0.25mm (0.34mm²) AWG 22/7	
Insulation	Material	Foam skin polyolefin	
	Diameter	2.00mm ±0.10	
	Colour coding	IEC 189-2 appendix A	
Cabling	Type	Twisted pair	
	Lay length	~25mm	
Screen	Type	24µm Aluminium/polyester foil >100% coverage	
	Drain wire	19 x 0.16 (0.14mm²) AWG 24/19	
Separator	Material	Polyester tape	
Overall Jacket			
Separator	Material	Soft tape	
	Coverage	>125%	
Overall braid	Material	Tinned copper wire	
	Coverage	>85%	
Overall jacket	Material	Flexible PVC composite	
	Colour	Moss green RAL 6005	
Bend radius		15 x overall diameter	
Physical properties unaged			
Jacket (at 60°C)			
	Tensile strength	>10N/mm²	
	Elongation	>100%	
	Heat shock test	150 °C x 1 hour - no cracks	
Electrical characteristics			
Resistance	Conductor	Ohm/Km	<58.8
	Insulation	M Ohm/Km	>5000
Capacitance	Core to core	pF/m	40 nominal
	Core to shield		80 nominal
Impedance (1-3 MHz)		110 Ohms ±20%	
Attenuation at 3 MHz		4.90 dB/100m	
Test voltage		500 Vdc x 1 minute OK	

Characteristics & description

Stock code	Description	Overall diameter mm	Weight Kg/km
268-431-050	Van Damme Super Green Series 1 pair AES/EBU	4.80mm	25.5
268-434-050	Van Damme Super Green Series 4 pair AES/EBU multicore	13.3mm	197
268-438-050	Van Damme Super Green Series 8 pair AES/EBU multicore	17.2mm	308
268-432-050	Van Damme Super Green Series 12 pair AES/EBU multicore	21.0mm	424

- Maximum reel length 500 metres