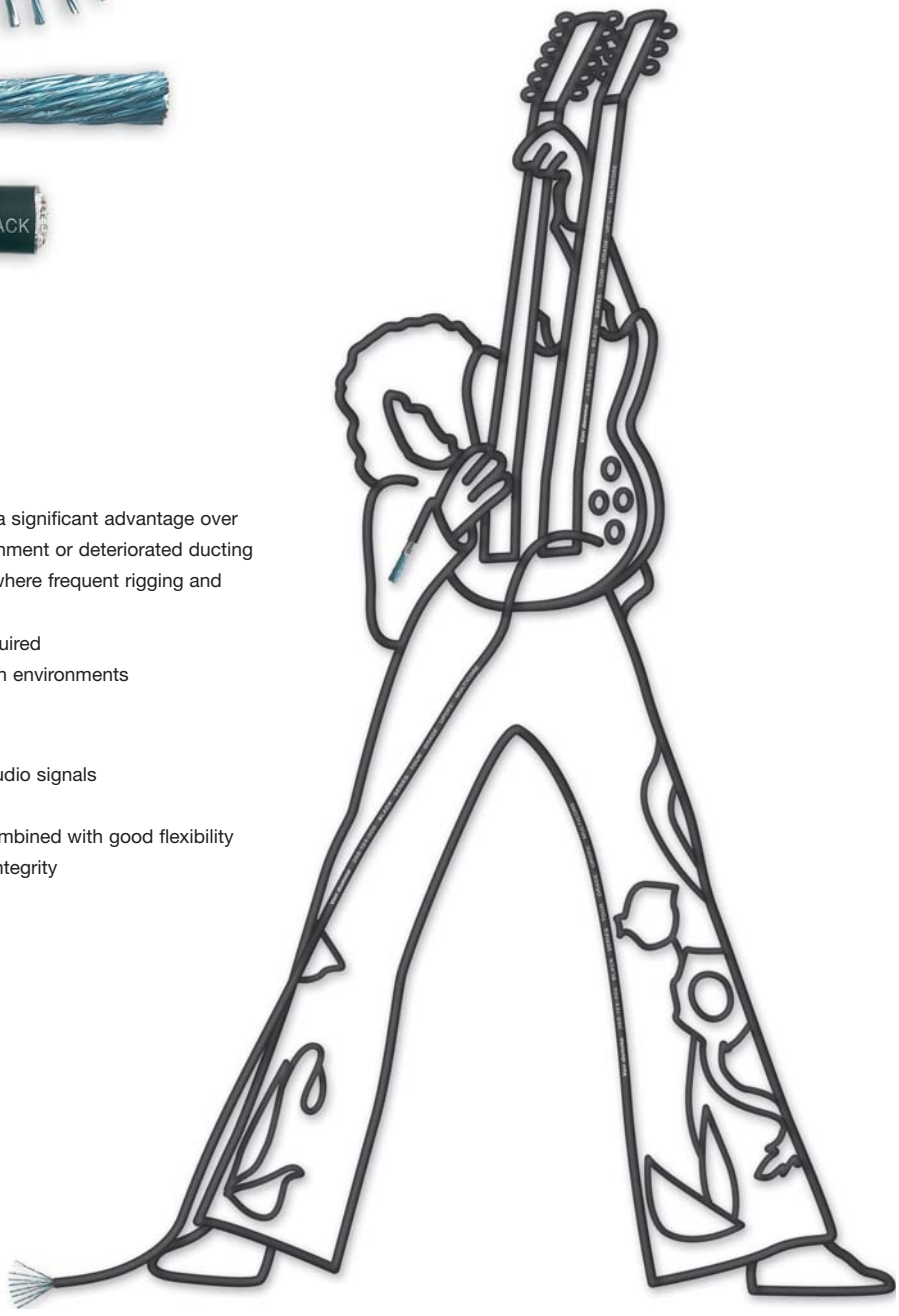
Vandamme cable

Black Series Tour Grade UP-OFC overall braid multicore



Van Damme Black Series Tour Grade is an analogue audio multicore range specifically designed to survive the harshest touring conditions and other high stress environments.

It is tried, tested and trusted in the live touring field by audio professionals both for its durability and its sonic fidelity.



Applications

- Live sound touring multipin cables from 4 - 48 pairs
- Remote stagebox systems
- Installation use where a braided overall screen offers a significant advantage over having pre-jacketed pairs - e.g. in a hazardous environment or deteriorated ducting
- Any longer length multicore and multipin application where frequent rigging and de-rigging occurs
- Presentations use where a neutral jacket colour is required
- Industrial paired data transmission in particularly harsh environments

Application notes

- For the transmission of multiple analogue balanced audio signals
- Low overall diameter ideal for multipin use
- Overall braid for outstanding mechanical durability combined with good flexibility
- Ultra pure oxygen free copper for outstanding sonic integrity

black series

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	0.30mm	
	Diameter	1.20mm ±0.10	
	Colour coding	IEC 189-2 appendix A	
Cabling	Type	Twisted pair	
	Lay length	~30mm	
Screen	Type	24µm Aluminium/polyester foil >150% coverage	
	Drain wire	19 x 0.12 (0.22mm²) AWG 24/19	
Overwrap	24, 32 and 48 pairs only clear plastic wrap over foil screen		
Overall jacket			
Separator	Material	Soft tape	
	Coverage	>125%	
Overall braid	Material	Tinned copper wire	
Dimensions	See individual cable chart		
	Coverage	>80%	
Overall jacket	Material	Flexible PVC composite	
	Colour	Jet Black RAL 9005	
	Average thickness	1.50 - 1.60mm nominal	
Bend radius		10 x overall diameter	
Physical properties un-aged			
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	81 nominal
	Core to shield		160 nominal
Test voltage		1000 Vdc x 1 minute OK	

Characteristics by stock code

Stock code	Overall diameter mm	Weight Kg/km	Construction and lay up
268-104-000	9.60	101	Cotton fillers, 1st layer 4 pairs, 100mm lay length
268-108-000	12.30	147	3.9mm PVC filler, 1st layer 8 pairs, 100mm lay
268-112-000	13.00	241	Cotton fillers + 3 pairs, 1st layer 9 pairs, 120mm lay
268-116-000	14.50	250	Cotton fillers, 1st layer 5 pairs, 2nd layer 11 pairs, 140mm lay
268-124-000	17.20	363	Cotton fillers + 2 pairs, 1st layer 8 pairs, 2nd layer 14 pairs, 140/180mm lay
268-132-000	19.00	434	Cotton fillers, 1st layer 5 pairs, 2nd layer 11 pairs, 3rd layer 16 pairs, 140/200mm lay
268-148-000	22.80	750	Cotton fillers + 3 pairs, 1st layer 9 pairs, 2nd layer 15 pairs, 3rd layer 21 pairs 120/180/200mm lay

• Maximum reel length 500 metres