

## 2 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 (0.22mm <sup>2</sup> ) AWG 24/28   |
| Insulation | Material   | Polypropylene                                |
|            | Average thickness  | 0.30mm                                       |
|            | Diameter   | 1.20mm ±0.10                                 |
| Cabling    | Colour coding  | IEC 189-2 appendix A                         |
|            | Type   | Twisted pair                                 |
|            | Lay length   | ~30mm  |
| Screen     | Type   | 24µm Aluminium/polyester foil >150% coverage |
|            | Drain wire   | 19 x 0.12 (0.22mm <sup>2</sup> ) 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/mm <sup>2</sup>      |
|                  | 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

| Stock code  | Overall | Weight Kg/km<br>diameter mm | Construction and lay up   |
|-------------|---------|-----------------------------|---|
| 268-104-000 | 9.60    | 112                         | Cotton fillers, 1st layer 4 pairs, 100mm lay length   |
| 268-108-000 | 12.30   | 190                         | 3.9mm PVC filler, 1st layer 8 pairs, 100mm lay  |
| 268-112-000 | 13.00   | 225                         | Cotton fillers + 3 pairs, 1st layer 9 pairs, 120mm lay  |
| 268-116-000 | 14.50   | 290                         | Cotton fillers, 1st layer 5 pairs, 2nd layer 11 pairs, 140mm lay                                      |
| 268-124-000 | 17.20   | 396                         | Cotton fillers + 2 pairs, 1st layer 8 pairs, 2nd layer 14 pairs, 140/180mm lay                        |
| 268-132-000 | 19.00   | 510                         | Cotton fillers, 1st layer 5 pairs, 2nd layer 11 pairs, 3rd layer 16 pairs, 140/200mm lay              |
| 268-148-000 | 22.80   | 695                         | 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

## Description

| Stock code  | Description   |
|-------------|---|
| 268-104-000 | Van Damme Black Series Tour Grade 4 pair multicore  |
| 268-108-000 | Van Damme Black Series Tour Grade 8 pair multicore  |
| 268-112-000 | Van Damme Black Series Tour Grade 12 pair multicore |
| 268-116-000 | Van Damme Black Series Tour Grade 16 pair multicore |
| 268-124-000 | Van Damme Black Series Tour Grade 24 pair multicore |
| 268-132-000 | Van Damme Black Series Tour Grade 32 pair multicore |
| 268-148-000 | Van Damme Black Series Tour Grade 48 pair multicore |