



cable

Brown Series Starquad multicore



Van Damme Brown Series 8 and 16 pair starquad multicores are the ultimate Outside Broadcast audio cables. Featuring an extremely tough polyurethane (PUR) outer jacket, <90% coverage braided screens for high rejection of EMI and RFI and with overall diameters sized to suit the common outside broadcast multipins. These cables are mechanically and electrically built to excel in the most hostile of environments.

Applications

- Microphone level signals in electrically harsh environments; particularly in outside broadcasts and the film industry
- 8 channel variant sized to suit the broadcast standard Mil 26 pole connector
- 16 channel variant sized to suit the VDM 54 pole connector

Application notes

- Polyurethane outer jacket offers excellent resistance to abrasion, repeated flexing, water ingress and oils, fats and petroleum
- Precise cable geometry and starquad construction for excellent rejection of radio frequency and electromagnetic interference (RFI and EMI)
- BBC standard colour coding - blue & red (+ve phase) with green & white (-ve phase) opposing; pairs should be terminated as above
- Ultra pure oxygen free copper for outstanding sonic integrity



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Quad specification			
Conductor	Material	Bare ultra pure oxygen free copper wire	
	Stranding	7 x 0.12 (0.08mm ²) AWG 28/7	
Insulation	Material	Low density polyolefin	
	Average thickness	0.30mm	
	Diameter	0.90mm ±0.10	
	Colour coding	Blue + red/ Green + white	
Cabling	Type	Starquad	
	Lay length	~20mm	
Screen	Type	Bare copper wire braid >90% coverage	
	Dimensions	16 x 7 x 0.10	
Jacket	Material	PVC composite Purple red RAL 3004	
	Average thickness	0.35mm	
	Overall diameter	3.50mm ±0.12	
Separator	Material	Soft tape	
	Coverage	>125%	
Overall jacket	Material	Polyurethane	
	Colour	Red brown RAL 8012	
	Average thickness	See characteristics by stock code	
Overall Jacket Separator	Material	Soft tape	
	Coverage	>125%	
Overall jacket	Material	Polyurethane	
	Colour	Red brown RAL 8012	
	Average thickness	See characteristics by stock code	
Bend radius	10 x overall diameter		
Physical properties unaged			
Jacket (at 60°C)	Tensile strength	>25N/mm ²	
	Elongation	>300%	
	Heat shock test	150 °C x 1 hour - no cracks	
Electrical characteristics			
Resistance	Conductor	Ohm/Km	<248
	Insulation	M Ohm/Km	>5000
Capacitance	Core to core	pF/m	48 nominal
Test voltage	1000 Vdc x 1 minute OK		

Characteristics by stock code

Stock code	Overall diameter mm	Jacket thickness mm	Weight Kg/km	Construction and lay up
268-808-000	15.00	1.50	310	Cotton fillers + 1 pair, 1st layer 7 pairs, 140mm lay
268-816-000	20.00	1.75	570	Cotton fillers + 5 pairs, 1st layer 11 pairs, 115/200mm lay

- Maximum reel length 500 metres