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VAN DAMME HD VISION FLEXIBLE MULTICORE COAX



Van Damme HD Vision coax multicores utilise PVC jacketed versions of the well proven Van Damme 278-175-000 RG6/U single HD-SDI coax. These are then combined with polypropylene fillers and an overall antistatic paper tape and oversheathed in a flexible PVC composite jacket. Suitable for SMPTE 424M and 292M HD-SDI signals as well as SDI, analogue video and MADl, and ideal for dynamic touring applications.

KEY BENEFITS	MATERIALS	APPLICATIONS
 	  	   
Precision 75Ω Impedance Flexibility	Oxygen Free Copper Foamed polyethylene Flexible PVC	Broadcast Video Presentations Live Sound

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Applications

- Transmission of HD-SDI, SDI and analogue video signals
- MADI multicores
- Designed for touring, outside broadcast and other dynamic uses

Application Notes

- Use of precision 75 Ohm components throughout any signal chain is imperative
- See downloads for Transmission length guidelines

Mechanical Specification

Conductor	1 x 1.02 mm bare oxygen-free copper
Conductor size	1 x 1.02 mm, 0.79 mm ² , AWG 18
Dielectric	Foamed polyethylene
Diameter	4.70 ± 0.15 mm
Screen 1	Aluminium/polyester foil 125% coverage
Screen 2 (Outer)	Tinned oxygen free braided copper, < 95% coverage
Overall Jacket	PVC composite Sky Blue RAL 5015
Overall diameter	6.80 ± 0.30 mm

Overall Construction

Overall Jacket	Flexible PVC composite Jet Black RAL 9005
Bend Radius	15 x overall diameter
Operating temperature	-15 to +70 °C

Electrical Specification

Impedance	75 ± 3 Ohms
Conductor Resistance	> 24 Ohm/km
Capacitance	60 pF/m
Velocity of Propagation	80%
Attenuation (dB/100m)	10 MHz 2.00
	135 MHz 7.31
	180 MHz 8.35
	270 MHz 10.30
	743 MHz 17.75
	1485 MHz 25.16
	3000 MHz 45.50

Part Numbers and Description

Part Number	Description	Overall Diameter	Max. Reel Length
268-475-000	Van Damme HD Vision coax 4 way multicore	20.50 mm	500 m
268-675-000	Van Damme HD Vision coax 6 way multicore	26.00 mm	500 m



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Recommended BNC Connectors

339-675-300 Van Damme HD-SDI BNC cable male RG6/U
Neutrik rearTWIST HD BNC NBNC75BUU11

Connector selection criteria:

Conductor 1.02 mm Dielectric diameter 4.70 mm Overall diameter 7.00 mm (1.0/4.7/7.0)

Standards and Compliance

RoHS 2011/65/EU Restriction of Hazardous Substances

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals