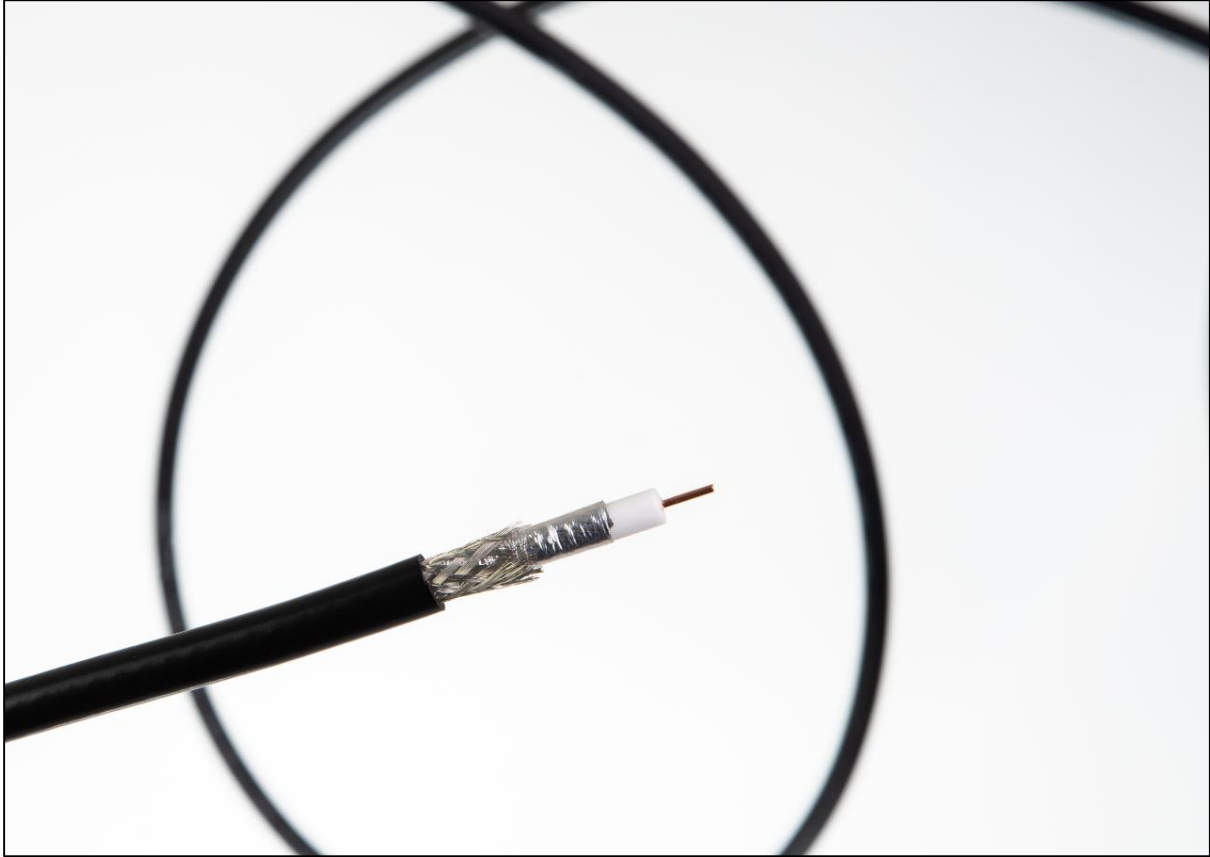


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**VAN DAMME ENHANCED HD VISION DIGITAL RG6/U COAX**



The Van Damme Enhanced Performance HD Vision coaxial is based around the industry standard RG6/U. Its precision construction ensures that electrical performance is optimised, ensuring trouble free performance with SMPTE 424M and 292M HD-SDI signals as well as SDI and analogue video. It can also be used for shorter UHD runs when used with an appropriate 12G HD BNC connector.

KEY BENEFITS		MATERIALS			APPLICATIONS		
							
Precision 75Ω Impedance	Flexibility	Oxygen Free Copper	Skin foam skin polyethylene	Flexible PVC	Broadcast	Video	Presentations

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### Applications

- Transmission of HD-SDI, SDI and analogue video signals
- Shorter length transmission of UHD digital video
- 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

<b>Conductor</b>	Bare oxygen free copper
<b>Stranding</b>	1 x 1.02 mm
<b>Size</b>	0.79 mm <sup>2</sup> , AWG 18/1
<b>Dielectric</b>	Gas injected skin foam skin polyethylene
<b>Diameter (mm)</b>	4.60
<b>Screen 1</b>	Aluminium/polyester foil
<b>Screen 2</b>	Tinned oxygen free copper braid
<b>Overall jacket</b>	Flexible PVC composite Jet Black RAL 9005
<b>Overall diameter (mm)</b>	6.95 ± 0.25
<b>Bend radius</b>	15 x overall diameter
<b>Operating temperature</b>	-15 to +70 °C

### Electrical Specification

<b>Conductor resistance (Ohm/km)</b>	25.3
<b>Capacitance (pF/m)</b>	53
<b>Impedance (Ohms)</b>	75 ± 5
<b>Attenuation (dB/100m)</b>	
<b>100 MHz</b>	6.40
<b>135 MHz</b>	7.35
<b>180 MHz</b>	8.43
<b>270 MHz</b>	10.40
<b>743 MHz</b>	18.04
<b>1485 MHz</b>	26.20
<b>3000 MHz</b>	36.35

### Part Numbers and Description

Part Number	Description	Max. Reel Length
268-875-000	Van Damme Enhanced HD Vision solid conductor coax RG6/U	500 m

### Recommended BNC Connectors

339-675-300	Van Damme HD-SDI cable male RG6/U Neutrik rearTWIST HD BNC NBNCBTU11
301-659-242	Neutrik rearTWIST UHD BNC NBNCBTU11X



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Connector selection criteria:

Conductor	Dielectric diameter	Overall diameter	Summary
1 x 1.20 mm	4.60 mm	6.95 mm	(1.0/4.6/7.0)

### Standards and Compliance

RoHS 3 (EU 2015/863)      Restriction of Hazardous Substances

REACH                              Registration, Evaluation, Authorisation and Restriction of Chemicals