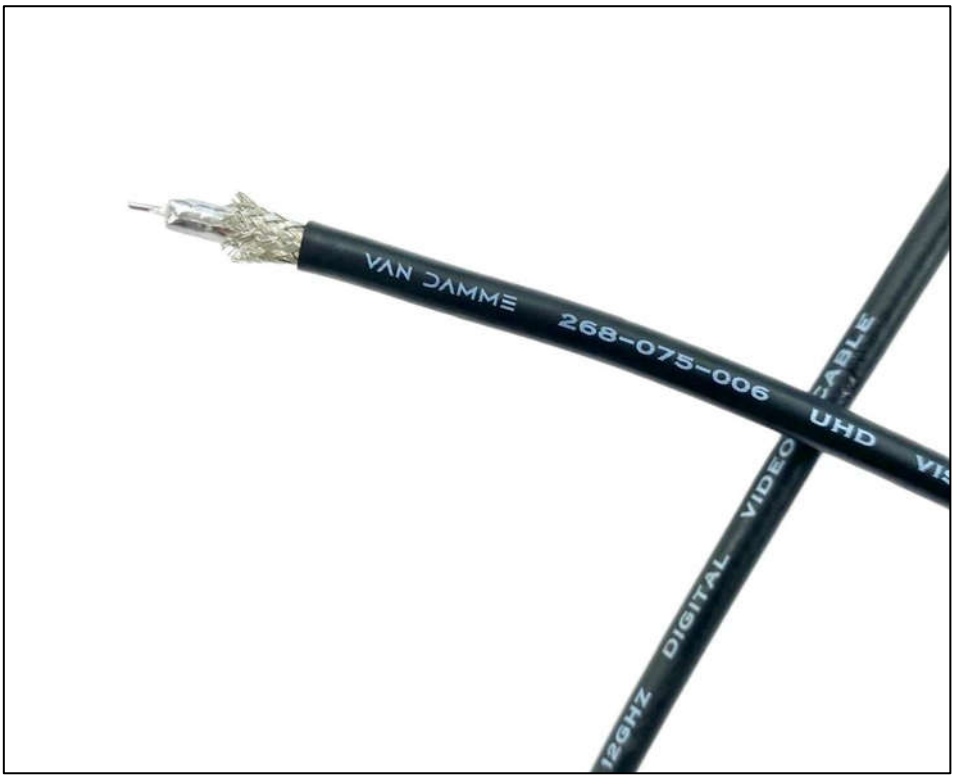
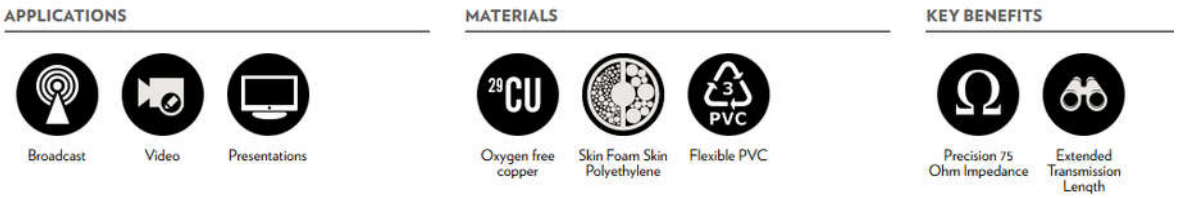
SEE NO EVIL

VAN DAMME ENHANCED PERFORMANCE UHD VISION 12GHZ 0.7/2.9 COAXIAL CABLE





A new addition to the Van Damme UHD coaxial range, this 4.50mm diameter coaxial is ideal for shorter 4K/UHD cable runs and rack build applications. As with the RG6 type, 268-875-006, Its precision construction ensures that electrical performance is optimised, ensuring trouble free performance with 4K Single-link 12 Gb/s UHDTV, SMPTE 424M and 292M HDSDI signals as well as SDI and analogue video.

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Applications

- Transmission of UHD, HD-SDI, SDI and analogue video signals
- SMPTE 2082-1 12 Gb/s UHDTV up to 45 metres
- SMPTE 2081-1 6 Gb/s UHDTV up to 65 metres
- Designed for installation, touring, outside broadcast and other dynamic uses

Application Notes

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

Mechanical Specification

Conductor	Silver plated oxygen free copper
Stranding	1 x 0.70 mm
Size	0.38 mm^2
Dielectric	Gas injected foam skin polyethylene
Diameter (mm)	2.90
Screen 1	Aluminium/polyester foil (bonded) > 115%
Screen 2	Tinned oxygen free copper braid > 90%
Overall jacket	Flexible PVC Jet Black RAL 9005
Overall diameter (mm)	4.50 ± 0.20
Bend radius	10 x overall diameter
Operating temperature	-15 to +75 °C

Electrical Specification

Conductor resistance (Ohm/km)	46
Capacitance (pF/m)	56
Impedance (Ohms)	75 ± 3
Velocity ratio	> 78%
Attenuation (dB/100m)	
100 MHz	10.10
200 MHz	13.90
300 MHz	16.70
500 MHz	22.00
750 MHz	26.80
1500 MHz	39.10
3000 MHz	55.60
6000 MHz	81.00

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Part Numbers and Description

Part Number	Description	Max. Reel Length
268-075-006	Van Damme 75ohm Enhanced UHD Vision 12GHz 0.7/2.9 coax	500 m

Recommended BNC Connectors

339-075-300	Van Damme 12G UHD BNC cable male Serial DV75 (SD Vision) Neutrik rearTWIST HD BNC NBNC75BFG7 Neutrik rearTWIST UHD BNC NBNC75BFG7X

Connector selection criteria:

Conductor	Dielectric diameter	Overall diameter	Summary
1 x 0.70 mm	2.90 mm	4.50 mm	(0.7/2.9/4.5)

Standards and Compliance

RoHS 3 (EU 2015/863)	Restriction of Hazardous Substances
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals