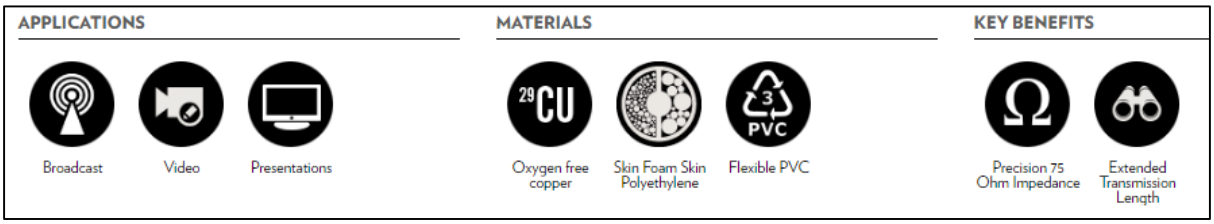
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VAN DAMME ENHANCED PERFORMANCE UHD VISION 12GHZ CABLE RG6/U



The Van Damme Enhanced Performance UHD 12G Vision coaxial is based around the industry standard RG6/U. 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 HD-SDI 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
- SMPTE 2081-1 6 Gb/s UHDTV
- 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 Transmission length guidelines

Mechanical Specification

Conductor	Silver plated oxygen free copper
Stranding	1 x 1.02 mm
Size	0.79 mm^2, AWG 18
Dielectric	Gas injected foam skin polyethylene
Diameter (mm)	4.60
Screen 1	Aluminium/polyester foil (bonded) > 100%
Screen 2	Tinned oxygen free copper braid > 95%
Overall jacket	Flexible PVC composite Jet Black RAL 9005
Overall diameter (mm)	6.95 ± 0.25
Bend radius	15 x overall diameter
Operating temperature	-30 to +75 ^{o}C

Electrical Specification

Conductor resistance (Ohm/km)	21
Capacitance (pF/m)	52
Impedance (Ohms)	75 ± 5
Attenuation (dB/100m)	
100 MHz	6.20
135 MHz	6.80
180 MHz	8.00
270 MHz	10.00
720 MHz	16.00
1500 MHz	24.00
3000 MHz	35.00

Part Numbers and Description

Part Number	Description	Max. Reel Length
268-875-006	Van Damme Enhanced UHD Vision 12Ghz solid conductor coax RG6/U	500 m

Recommended BNC Connectors

339-675-300	Van Damme HD-SDI cable male RG6/U
339-675-312	Van Damme UHD 12G cable male RG6/U
301-659-241	Neutrik rearTWIST HD BNC NBNC75BTU11
301-659-242	Neutrik rearTWIST UHD BNC NBNC75BTU11X

Connector selection criteria:

Conductor	Dielectric diameter	Overall diameter	Summary
1 x 1.02 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