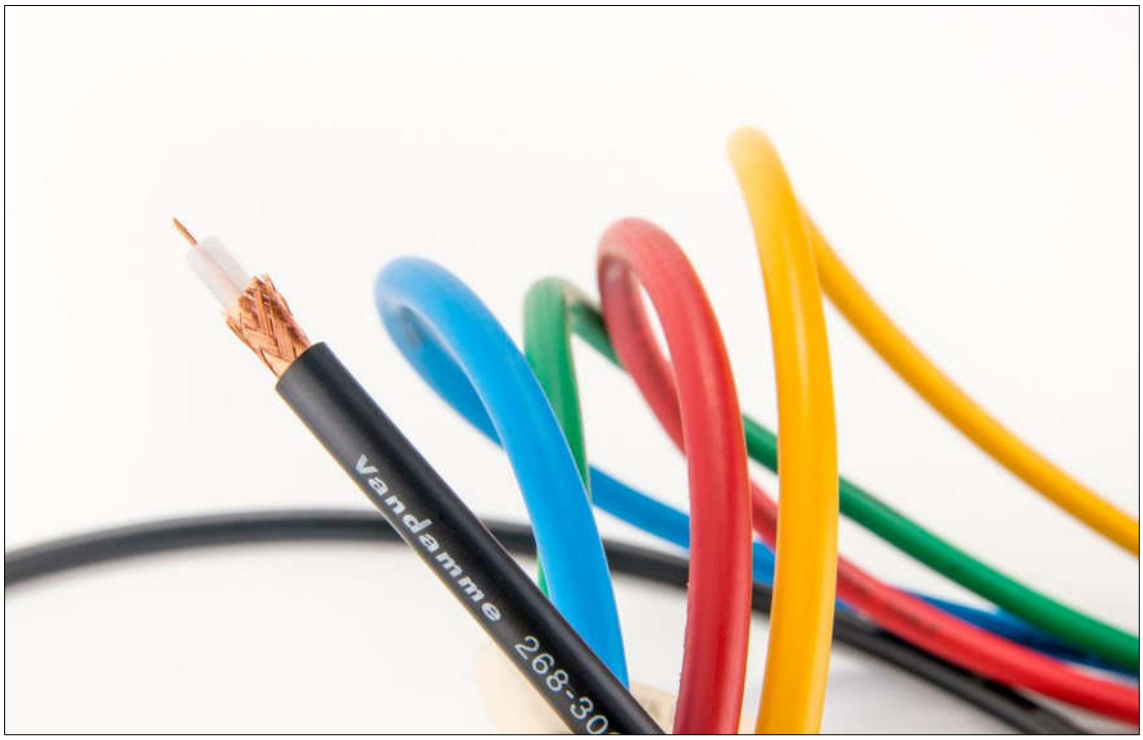
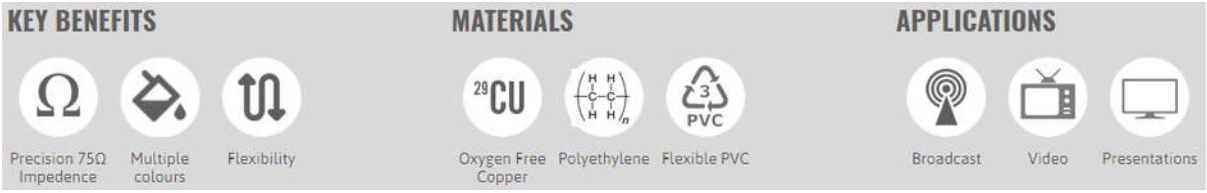
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VAN DAMME STANDARD 75 OHM PLASMA GRADE COAX



Van Damme Standard 75 Ohm Plasma Grade Video Coax is a high resolution cable designed for use with analogue video signals. Precision performance is combined with flexibility usually only found in microphone cables resulting in an excellent video cable for dynamic use in the broadcast, video and presentation markets.



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Applications

- Analogue video transmission up to 100 metres
- Suitable for SP Dif digital audio and word clock

Application Notes

- Suitable for 360 Mb/s SDI use up to 138 metres
- Uses RG59 type crimp connectors
- Available in 6 colours for application colour coding

Mechanical Specification

Conductor	7 x 0.20 mm bare ultra-pure oxygen-free copper
Conductor size	7 x 0.20 mm, 0.22 mm^2, AWG 24/7
Dielectric	Polyethylene
Diameter	3.70 ± 0.10 mm
Screen	16 x 9 x 0.12 mm bare braided oxygen free copper, < 95% coverage
Overall Jacket	Flexible PVC
Overall diameter	6.10 ± 0.15 mm
Bend Radius	15 x overall diameter
Operating temperature	-15 to + 70 °C

Electrical Specification

Impedance		75 ± 3 Ohms
Conductor Resistance		< 85 Ohm/km
Capacitance		67 pF/m
Velocity of Propagation		66%
Attenuation (dB/100m)	10 MHz	4.21
	135 MHz	15.08
	180 MHz	17.42
	200 MHz	18.36
	400 MHz	28.11
	743 MHz	38.31

Part Numbers and Description

Part Number	Description	RAL Code	Max. Reel Length
268-306-000	Van Damme Plasma Grade standard coax Jet Black	RAL 9005	500 m
268-307-020	Van Damme Plasma Grade standard coax Flame Red	RAL 3000	500 m
268-322-040	Van Damme Plasma Grade standard coax Lemon Yellow	RAL 1012	500 m
268-308-050	Van Damme Plasma Grade standard coax Mint Green	RAL 6029	500 m
268-309-060	Van Damme Plasma Grade standard coax Sky Blue	RAL 5015	500 m
268-310-090	Van Damme Plasma Grade standard coax Light Ivory (cream)	RAL 1015	500 m

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Recommended BNC Connectors

339-003-000	Van Damme BNC cable male RG59B/U Neutrik rearTWIST HD BNC NBNC75BLP7

Connector selection criteria:

Conductor 0.61 mm	Dielectric diameter 3.70 mm	Overall diameter 6.10 mm (0.61/3.7/6.10)

Standards and Compliance

RoHS 2011/65/EU	Restriction of Hazardous Substances
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
IEC 60332.1	Vertical flame propagation of a single cable