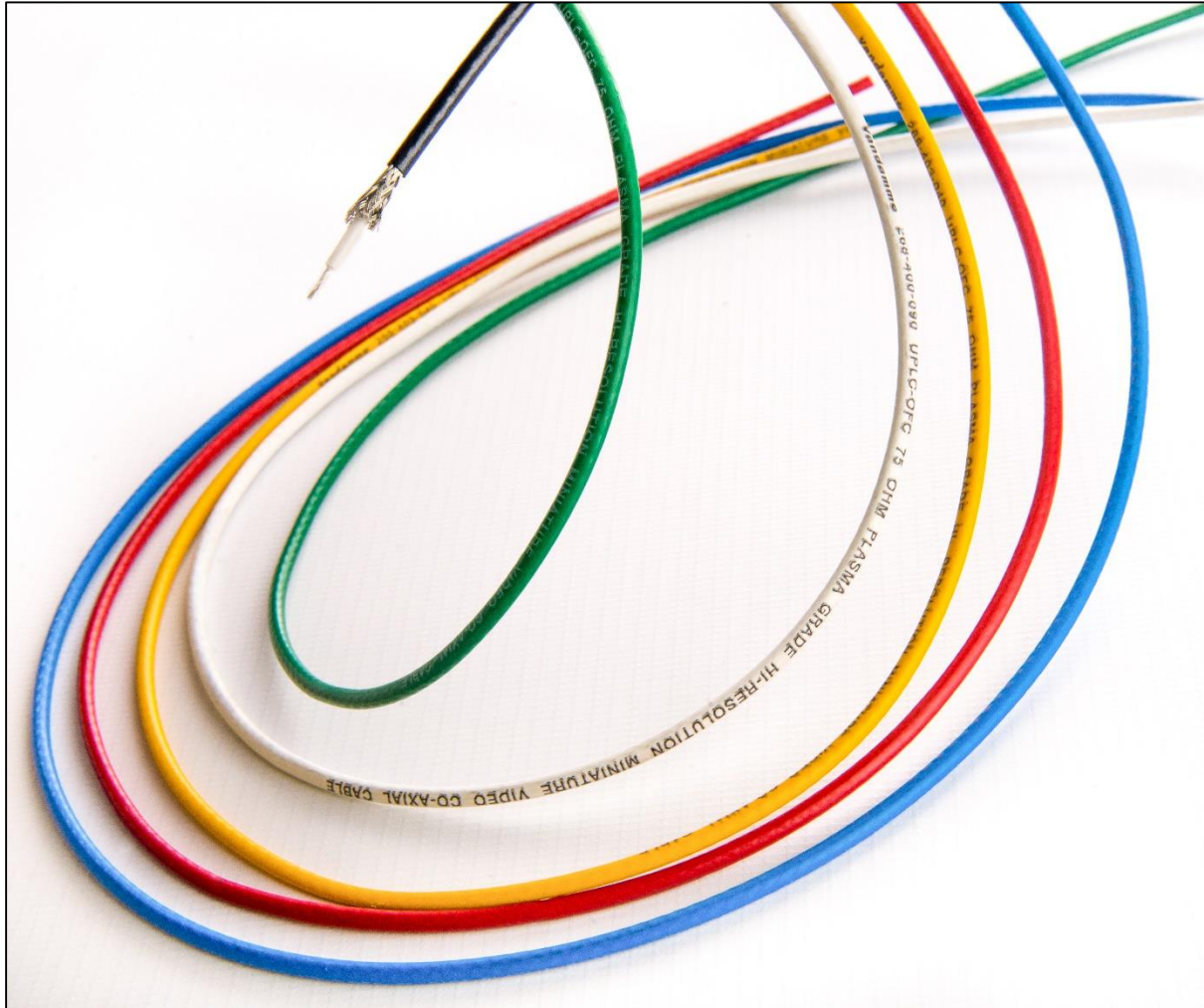


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VAN DAMME MINIATURE 75 OHM PLASMA GRADE COAX



Van Damme Miniature 75 Ohm Plasma Grade Video Coaxial Cable has been designed to provide the best possible performance from a low overall diameter stranded video cable. The range is mechanically equivalent to RG179 and available in the 6 colours commonly associated with video signals.

KEY BENEFITS			MATERIALS			APPLICATIONS		
								
Precision 75Ω Impedance	Multiple colours	Flexibility	Oxygen Free Copper	Polyethylene	Flexible PVC	Broadcast	Video	Presentations

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Applications

- Analogue video transmission up to 30 metres
- Internal rack and patch panel wiring
- Multipin connector breakouts

Application Notes

- Uses RG179 type crimp connectors
- Colour coding suitable for RGBHV, RGBS, YUV and other video formats

Mechanical Specification

Conductor	7 x 0.12 mm bare ultra-pure oxygen-free copper
Conductor size	7 x 0.12 mm, 0.08 mm ² , AWG 30/7
Dielectric	Foam skin polyethylene
Diameter	1.60 ± 0.05 mm
Screen	16 x 5 x 0.10 mm bare braided oxygen free copper, > 95% coverage
Overall Jacket	Flexible PVC
Overall diameter	2.60 ± 0.15 mm
Bend Radius	15 x overall diameter
Operating temperature	-20 to +70 °C

Electrical Specification

Impedance	75 ± 5 Ohms
Conductor Resistance	235 Ohm/km
Capacitance	56.5 pF/m
Velocity of Propagation	80%
Attenuation (dB/100m)	10 MHz 6.99
	50 MHz 15.77
	100 MHz 22.74
	135 MHz 26.64
	180 MHz 30.99

Part Numbers and Description

Part Number	Description	RAL Code	Max. Reel Length
268-408-000	Van Damme Plasma Grade miniature coax Jet Black	RAL 9005	500 m
268-406-020	Van Damme Plasma Grade miniature coax Flame Red	RAL 3000	500 m
268-403-040	Van Damme Plasma Grade miniature coax Lemon Yellow	RAL 1012	500 m
268-404-050	Van Damme Plasma Grade miniature coax Mint Green	RAL 6029	500 m
268-402-060	Van Damme Plasma Grade miniature coax Sky Blue	RAL 5015	500 m
268-400-090	Van Damme Plasma Grade miniature coax Oyster White	RAL 1013	500 m



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Recommended BNC Connectors

335-012-000	Van Damme BNC cable male RG179B/U
335-014-179	Van Damme BNC cable female RG179B/U
335-012-179	Van Damme BNC bulkhead female RG179B/U
	Neutrik rearTWIST HD BNC NBTC75BLI4

Connector selection criteria:

Conductor 0.38 mm Dielectric diameter 1.60 mm Overall diameter 2.60 mm (0.38/1.6/2.6)

Standards and Compliance

RoHS 2011/65/EU	Restriction of Hazardous Substances
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals