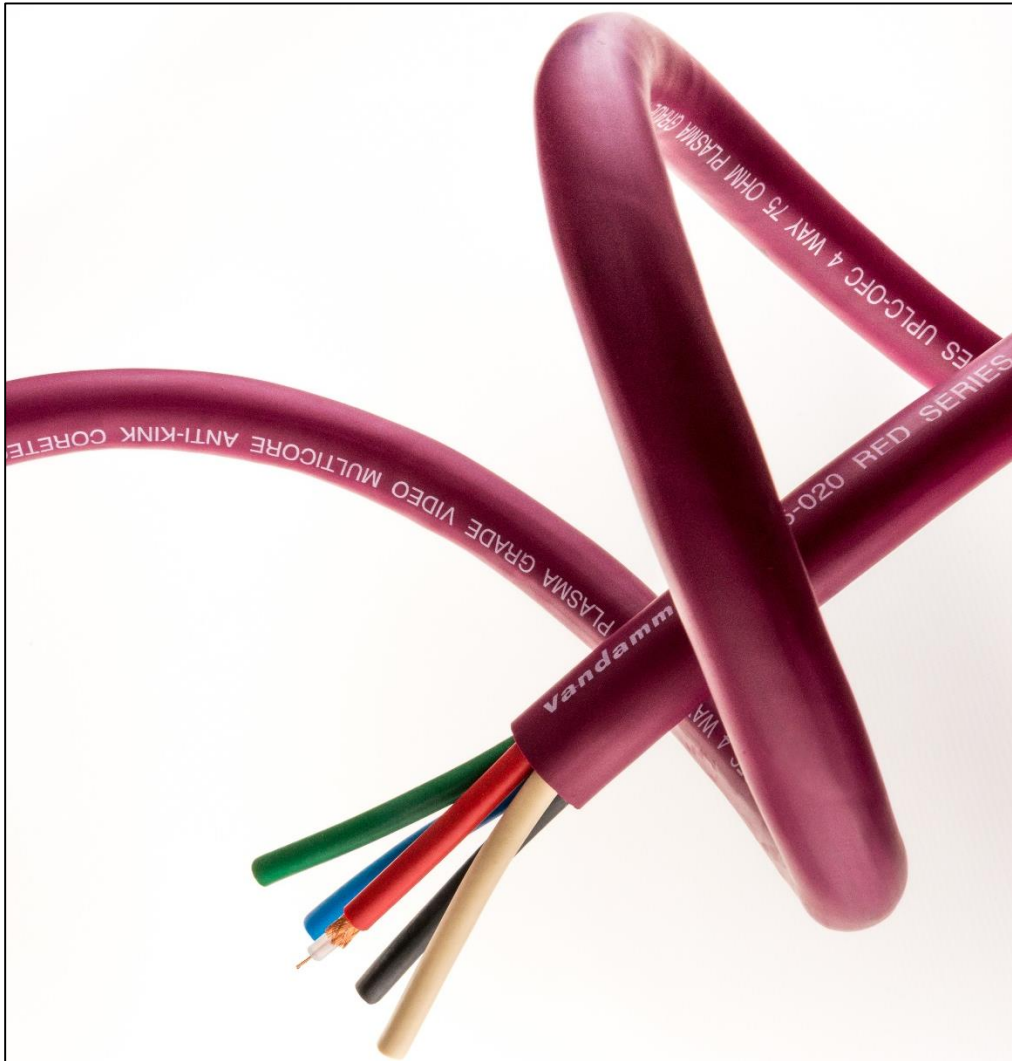


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VAN DAMME RED SERIES PLASMA GRADE VIDEO MULTICORE



Van Damme Red Series Video multicores are 4 and 5 way versions of the Van Damme standard 75 Ohm coaxes. Designed for use in the Presentation and Broadcast industries, they are commonly used for the transmission of analogue video signals up to 100 metres. They are flexible but also very robust and are ideal for multiple rig and de-rig situations due to the attention paid to their construction, overall diameter and weight.

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

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Applications

- Extended transmission of multiple analogue video signals
- Can be used with confidence at 100 metres

Application Notes

- Suitable for 360 Mb/s SDI use up to 138 metres
- Uses RG59 type crimp connectors

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
Coax colours	Red, Green, Blue, Black, Cream (5 way only)
Overall diameter	6.10 ± 0.15 mm

Overall Construction

Overall Jacket	Flexible PVC composite Purple Red RAL 3004
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	Overall Diameter	Max. Reel Length
268-314-020	Van Damme Red Series 4 way multicore	18.00 mm	500 m
268-315-020	Van Damme Red Series 5 way multicore	20.00 mm	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