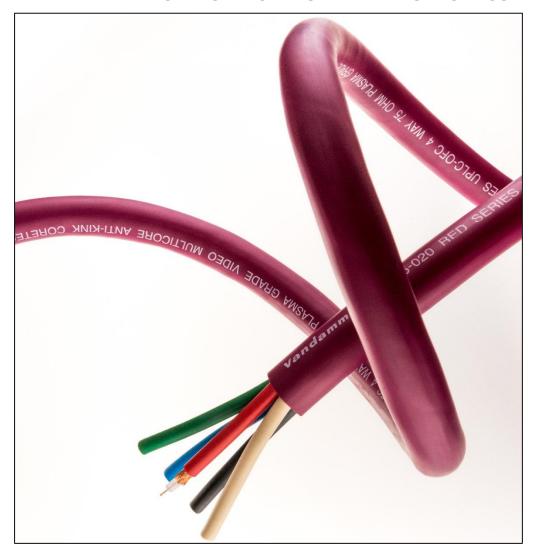


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VAN DAMME RED SERIES PLASMA GRADE VIDEO MULTICORE



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.





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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 mm², AWG 24/7

Dielectric Polyethylene Diameter $3.70 \pm 0.10 \text{ mm}$

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

Part Numbers and Description

Part Number	Description	Overall	Max. Reel
		Diameter	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

38.31



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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