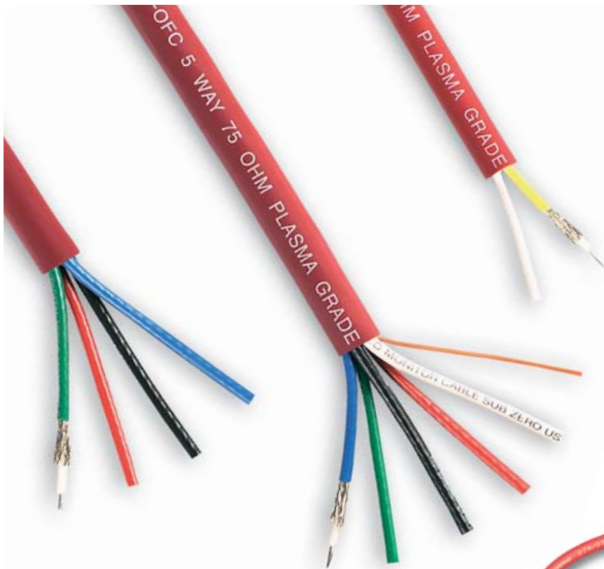




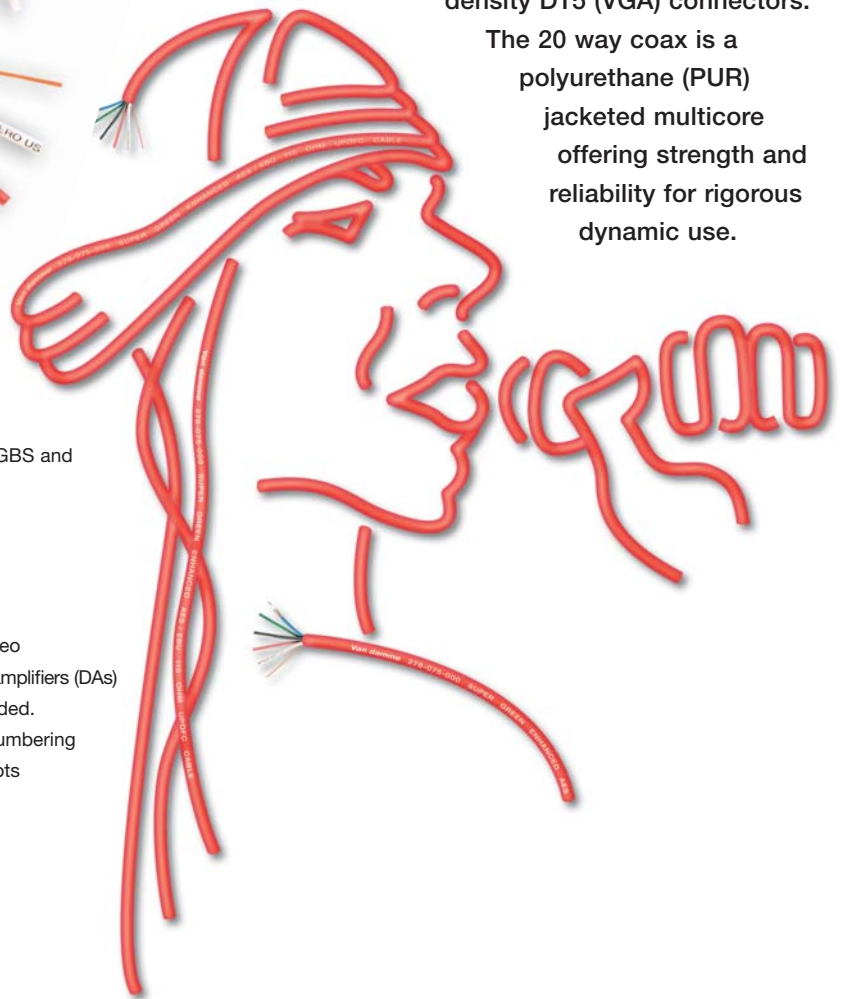
# cable

## Red Series Plasma Grade Miniature video multicore



Van Damme Red Series Miniature video multicore are 2, 4, 5 and 20 way versions of the Van Damme miniature coax. The 2, 4 and 5 way versions are exceptionally flexible and are designed to seamlessly integrate with industry standard multipin connectors such as SVHS (4 pin mini din), D9 and high density D15 (VGA) connectors.

The 20 way coax is a polyurethane (PUR) jacketed multicore offering strength and reliability for rigorous dynamic use.



### Applications

- Multicore video signal transmissions - SVHS (YC), YUV, RGBS and RGBHV (VGA)
- Custom length multipin to BNC breakouts
- 20 way type ideal for multiple video formats

### Application notes

- 30 metre recommended maximum length for analogue video
- Longer run lengths achievable using appropriate distribution amplifiers (DAs)
- 2, 4 and 5 way multicores are industry standard colour coded.
- 20 way type has black individual coaxes with white DIN numbering
- All cables use RG179 type connectors and small BNC boots
- Ultra pure oxygen free copper for outstanding sonic integrity

#### Mechanical Specifications - Individual Cores

<b>Conductor</b>	Material	Tinned oxygen free copper
	Stranding	7x 0.12mm (0.08mm <sup>2</sup> ) AWG 30/7
<b>Dielectric</b>	Material	Foam skin Polyethylene
	Average thickness	0.60 mm
	Diameter	1.60mm ±0.05
<b>Screen</b>	Material	Tinned oxygen free braided copper wire
	Coverage	95%
	Dimension	16x5x0.10mm
<b>Overall Jacket</b>	Material	Flexible PVC
	Average thickness	0.30 mm
	Overall diameter	2.60 ±0.10 mm

# mini red series

## Mechanical Specifications - Tracer wire (5 way only)

<b>Conductor</b>	Material	Tinned oxygen free copper
	Stranding	7x 0.20mm (0.22mm <sup>2</sup> ) AWG 24/7
<b>Dielectric</b>	Material	PVC antistatic
	Average thickness	0.26mm
	Diameter	1.10mm
<b>Colour</b>	Orange	

## Mechanical Specifications - Multicores

	2-way	4-way	5-way	20-way
<b>Stock Code</b>	268-302-020	268-304-020	268-305-020	268-320-020
<b>Coax Colours</b>	White, Yellow	Red, Green, Blue, Black	Red, Green, Blue, Black, White	Black with white DIN numbers 1-20
<b>Material</b>	Flexible PVC composite Purple Red RAL 3004			
<b>Average thickness</b>	0.90mm	1.15mm	1.05mm	1.50mm
<b>Overall diameter</b>	7.40mm	8.90mm	9.60mm	17.40mm
<b>Bend radius</b>	15 x overall diameter			
<b>Weight</b>	94 Kg/Km	103 Kg/Km	119 Kg/Km	344 Kg/Km

## Physical properties unaged

### 2, 4 and 5 way multicores: PVC jacket

<b>Jacket (@ 60°C)</b>	Tensile strength	12.5 N/mm <sup>2</sup>
	Elongation	> 125 %
	Heat Shock Test	150°C x 1 hour / No cracks

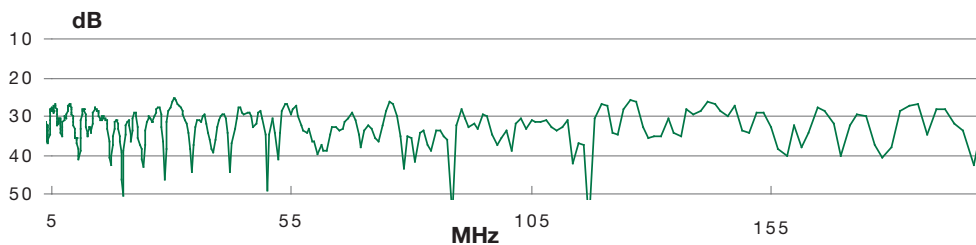
### 20 way multicore: PUR jacket

<b>Jacket (@ 60°C)</b>	Tensile strength	25 N/mm <sup>2</sup>
	Elongation	> 300 %
	Heat Shock Test	150°C x 1 hour / No cracks

## Electrical Specifications

<b>Resistance</b>	Conductor	225 Ohm/Km
	Shield	32 Ohm/Km
	Insulation	> 5000 M Ohm/Km
<b>Voltage test</b>	1000V DC 1 minute OK	
<b>Capacitance</b>	56.5 pF/m	
<b>Velocity of propagation</b>	78%	
<b>Impedance at 10MHz</b>	75 Ohms ± 2	
<b>Attenuation</b>	5 MHz	4.91 dB/100m
	10 MHz	6.99 dB/100m
	50 MHz	15.77 dB/100m
	100 MHz	22.74 dB/100m
	135 MHz	26.64 dB/100m
	180 MHz	30.99 dB/100m

## Structural return loss



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