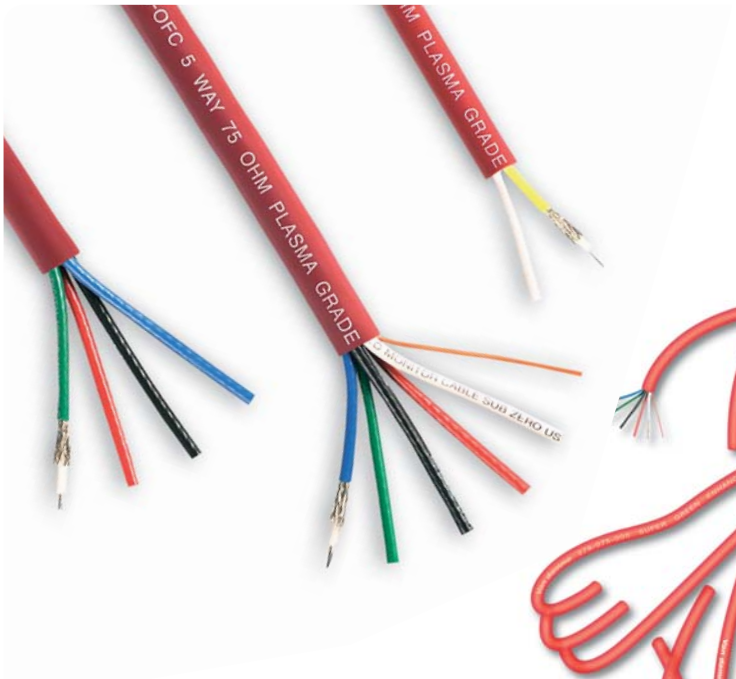
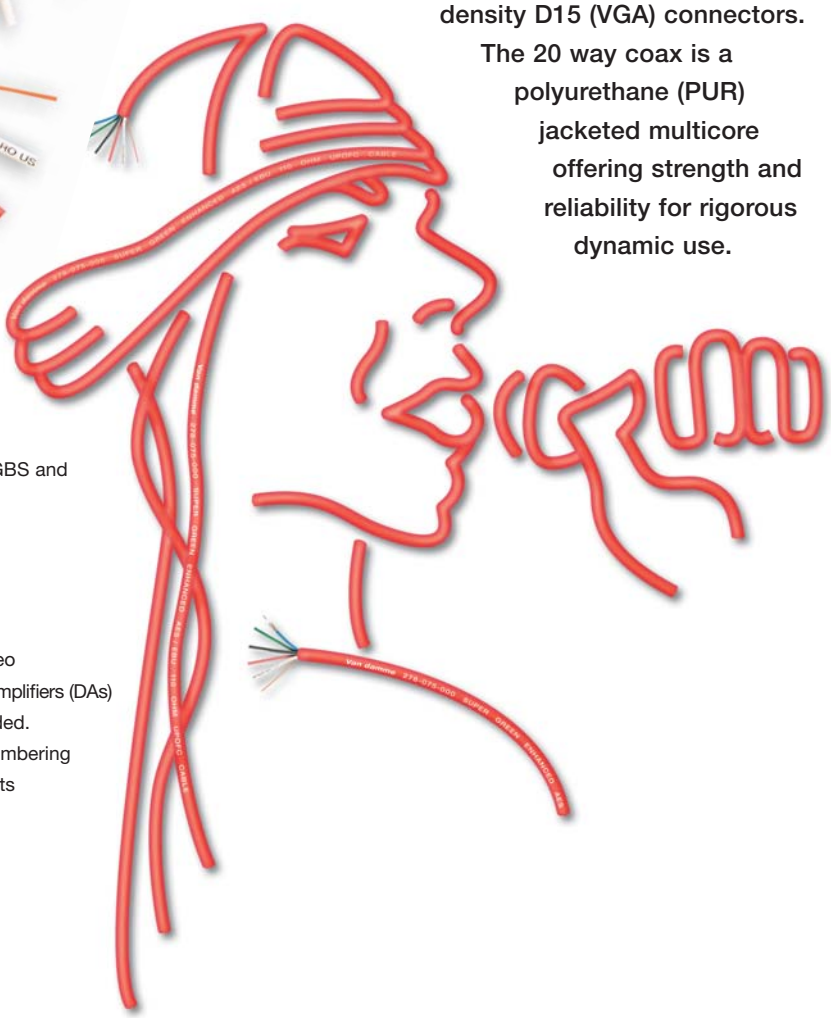
cable

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

Conductor	Material	Tinned oxygen free copper
	Stranding	7x 0.12mm (0.08mm²) AWG 30/7
Dielectric	Material	Foam skin Polyethylene
	Average thickness	0.60 mm
	Diameter	1.60mm ±0.05
Screen	Material	Tinned oxygen free braided copper wire
	Coverage	95%
	Dimension	16x5x0.10mm
Overall Jacket	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)

Conductor	Material	Tinned oxygen free copper
	Stranding	7x 0.20mm (0.22mm²) AWG 24/7
Dielectric	Material	PVC antistatic
	Average thickness	0.26mm
	Diameter	1.10mm
Colour	Orange	

Mechanical Specifications - Multicores

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

Physical properties unaged
2, 4 and 5 way multicores: PVC jacket

Jacket (@ 60°C)	Tensile strength	12.5 N/mm²
	Elongation	> 125 %
	Heat Shock Test	150°C x 1 hour / No cracks

20 way multicore: PUR jacket

Jacket (@ 60°C)	Tensile strength	25 N/mm²
	Elongation	> 300 %
	Heat Shock Test	150°C x 1 hour / No cracks

Electrical Specifications

Resistance	Conductor	225 Ohm/Km
	Shield	32 Ohm/Km
	Insulation	> 5000 M Ohm/Km
Voltage test	1000V DC 1 minute OK	
Capacitance	56.5 pF/m	
Velocity of propagation	78%	
Impedance at 10MHz	75 Ohms ± 2	
Attenuation	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