36 Miniature 75 Ohm Plasma Grade video coaxial cable



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.

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

mini standard 75 series

Mechanical Specifications

Conductor	Material	Bare ultra pure oxygen free copper
	Stranding	7x 0.12mm (0.08mm²) AWG 30/7
Dielectric	Material	Foam Skin Polyethylene
	Average thickness	0.62mm
	Diameter	1.60mm ± 0.05
Screen	Material	Tinned oxygen free braided copper wire
	Coverage	95%
	Dimension	16x5x0.10mm
Overall Jacket	Material	Flexible PVC; colours as follows
		Jet Black RAL 9005
		Flame Red RAL 3000
		Mint Green RAL 6029
		Sky Blue RAL 5015
		Oyster White RAL 1013
	Average thickness	0.30mm
	Overall diameter	2.60mm
Bend radius		15 x overall diameter
Cable weight		10.5 Kg/Km

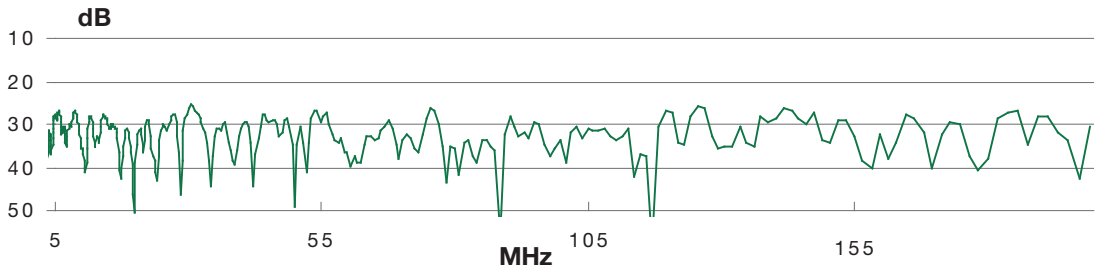
Physical properties unaged

Jacket (@ 60°C)	Tensile strength	> 10 N/mm²
	Elongation	> 125 %
	Heat Shock Test	150°C x 1 hour / No cracks

Electrical Specifications

Resistance	Conductor	235 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



Description

Stock code	Description	Reel length
268-408-000	Van Damme Plasma Grade mini coax black	100m
268-406-020	Van Damme Plasma Grade mini coax red	100m
268-404-050	Van Damme Plasma Grade mini coax green	100m
268-402-060	Van Damme Plasma Grade mini coax blue	100m
268-400-090	Van Damme Plasma Grade mini coax white	100m
268-403-040	Van Damme Plasma Grade mini coax yellow	100m