

VAN DAMME 75 OHM 2GHZ BNC CONNECTORS

Applications & Application Notes

- 2GHz crimp connectors for analogue and SDI video applications
- Turned nickel plated brass body, gold plated brass turned centre pin, PTFE insulator
- Meets the requirements of SMPTE 292M

Product Listing Summary

Stock Code	Description	Cable types
335-012-000	BNC cable male RG179B/U	Van Damme 268-302-020, 268-304-020, 268-305-020, 268-320-020, 278-302-020, 278-305-020, 268-350-202, 268-350-504, 278-006-043, 268-408-000, 268-406-020, 268-404-050, 268-402-060, 268-400-090, 268-403-040
339-000-000	BNC cable male Type 1/3 broadcast coax	Type 1/3 broadcast coax (VDC 211-012-000, 220-016-000)
339-003-000	BNC cable male RG59B/U	Van Damme 268-314-020, 268-315-020, 268-375-202, 268-306-000, 268-307-020, 268-322-040, 268-308-050, 268-309-060, 268-310-090. RG59B/U (0.58mm conductor, 6.10mm OD – VDC 210-002-000, 210-634-000)
339-075-000	BNC cable male Serial DV75	Van Damme 278-075-000, 278-075-006
339-010-000	BNC cable male Type 1/7 broadcast coax	Type 1/7 broadcast coax
335-014-179	BNC cable female RG179B/U	Van Damme 268-302-020, 268-304-020, 268-305-020, 268-320-020, 278-302-020, 278-305-020, 268-350-202, 268-350-504, 278-006-043, 268-408-000, 268-406-020, 268-404-050, 268-402-060, 268-400-090, 268-403-040
335-012-179	BNC bulkhead female RG179B/U	Van Damme 268-302-020, 268-304-020, 268-305-020, 268-320-020, 278-302-020, 278-305-020, 268-350-202, 268-350-504, 278-006-043, 268-408-000, 268-406-020, 268-404-050, 268-402-060, 268-400-090, 268-403-040

Crimp Tooling summary

Van Damme recommend Greenlee Paladin Crimp tool frames and die sets. Available from VDC Trading Ltd. www.vdctrading.com under the stock codes shown

Crimp tool frames:

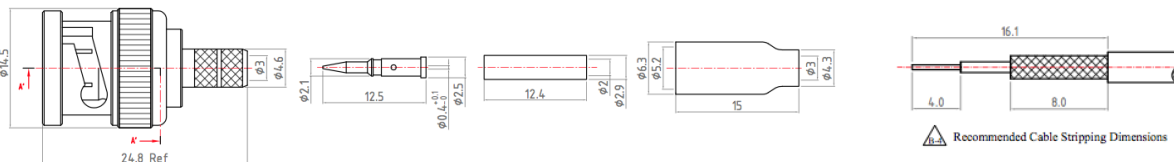
Paladin 1302 Universal crimp tool frame VDC Stock Code 345-001-302 (Moderate volume use)
 Paladin 8000 Universal crimp tool frame VDC Stock Code 345-008-000 (High volume use)

Die set table:

Stock Code	Description	Paladin Die set	VDC Stock Code
335-012-000	BNC cable male RG179B/U	PA3703	345-103-703
339-000-000	BNC cable male Type 1/3 broadcast coax	PA3703	345-103-703
		PA2649	345-102-649
		PA2699	345-102-699
339-003-000	BNC cable male RG59B/U	PA3703	345-103-703
		PA2649	345-102-649
		PA2699	345-102-699
339-075-000	BNC cable male Serial DV75	PA3703	345-103-703
339-010-000	BNC cable male Type 1/7 broadcast coax	PA3703	345-103-703
335-014-179	BNC cable female RG179B/U	PA3703	345-103-703
335-012-179	BNC bulkhead female RG179B/U	PA2699	345-102-699

Product Details

335-012-000 BNC cable male RG179B/U



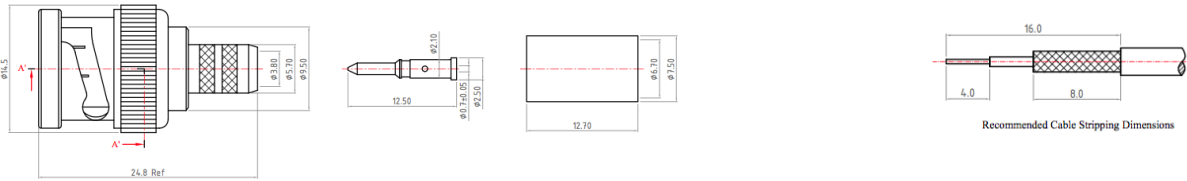
Applicable cables:

- Van Damme 268-302-020 Red Series Plasma Grade mini coax 2 way multicore
- Van Damme 268-304-020 Red Series Plasma Grade mini coax 4 way multicore
- Van Damme 268-305-020 Red Series Plasma Grade mini coax 5 way multicore
- Van Damme 268-320-020 Red Series Plasma Grade mini coax 20 way multicore
- Van Damme 278-302-020 Red Series Plasma Grade Ecoflex LSZH mini coax 2 way multicore
- Van Damme 278-305-020 Red Series Plasma Grade Ecoflex LSZH mini coax 5 way multicore
- Van Damme 268-350-202 AVI Series mini 2 video 2 audio multicore
- Van Damme 268-350-504 AVI Series mini 5 video 4 audio multicore
- Van Damme 278-006-043 AVI Series LSZH 6 video 4 audio 3 tracer multicore
- Van Damme 268-408-000 Plasma Grade mini coax black
- Van Damme 268-406-020 Plasma Grade mini coax red
- Van Damme 268-404-050 Plasma Grade mini coax green
- Van Damme 268-402-060 Plasma Grade mini coax blue
- Van Damme 268-400-090 Plasma Grade mini coax white
- Van Damme 268-403-040 Plasma Grade mini coax yellow

Conductor 0.38mm Dielectric diameter 1.60mm Overall diameter 2.60mm (0.38/1.6/2.6)

Paladin die set PA3703 centre pin 0.067" ferrule 0.213"

339-000-000 BNC cable male Type 1/3 broadcast coax



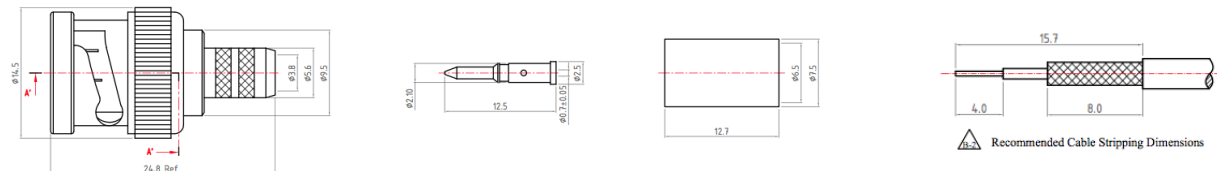
Applicable cables:

VDC 211-012-000 Type 1/3 Standard broadcast video cable VDC 220-016-000 Type 1/3 Standard broadcast video cable LSZH

Conductor 0.61mm Dielectric diameter 3.70mm Overall diameter 6.15mm (0.61/3.7/6.4)

Paladin Die set PA3703 centre pin 0.067" ferrule 0.255"
Paladin Die set PA2649 centre pin 0.068" ferrule 0.255"
Paladin Die set PA2699 centre pin 0.068" ferrule 0.255"

339-003-000 BNC cable male RG59B/U



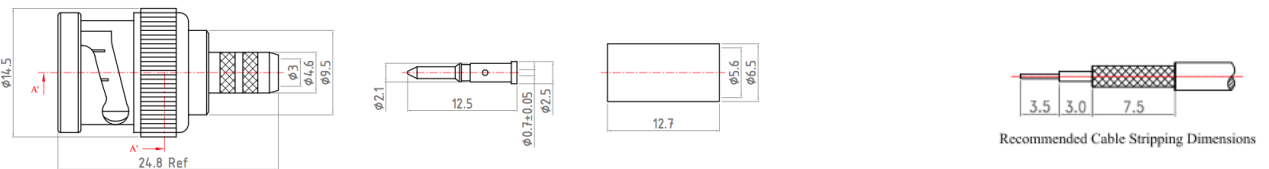
Applicable cables:

Van Damme 268-314-020 Red Series Plasma Grade 4 way multicore
Van Damme 268-315-020 Red Series Plasma Grade 5 way multicore
Van Damme 268-375-202 AVI Series 2 video 2 audio multicore
Van Damme 268-306-000 Plasma Grade standard 75 Ohm coax black
Van Damme 268-307-020 Plasma Grade standard 75 Ohm coax red
Van Damme 268-322-040 Plasma Grade standard 75 Ohm coax yellow
Van Damme 268-308-050 Plasma Grade standard 75 Ohm coax green
Van Damme 268-309-060 Plasma Grade standard 75 Ohm coax blue
Van Damme 268-310-090 Plasma Grade standard 75 Ohm coax cream

Conductor 0.60mm Dielectric diameter 3.73mm Overall diameter 6.15mm (0.60/3.73/6.15)

Paladin Die set PA3703 centre pin 0.067" ferrule 0.255"
Paladin Die set PA2649 centre pin 0.068" ferrule 0.255"
Paladin Die set PA2699 centre pin 0.068" ferrule 0.255"

339-075-000 BNC cable male Serial DV75



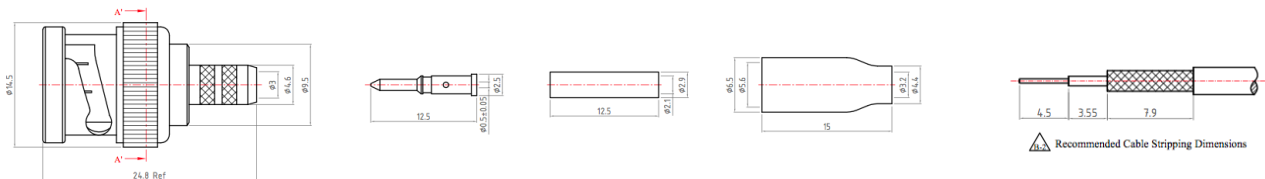
Applicable cables:

Van Damme 278-075-000 SDI Vision Ecoflex coax LSZH Van Damme 278-075-006 SDI Vision Ecoflex 6 way coax multicore LSZH

Conductor 0.60mm Dielectric diameter 2.80mm Overall diameter 4.50mm (0.6/2.8/4.5)

Paladin Die set PA3703 centre pin 0.067" ferrule 0.213"

339-010-000 BNC cable male Type 1/7 broadcast coax



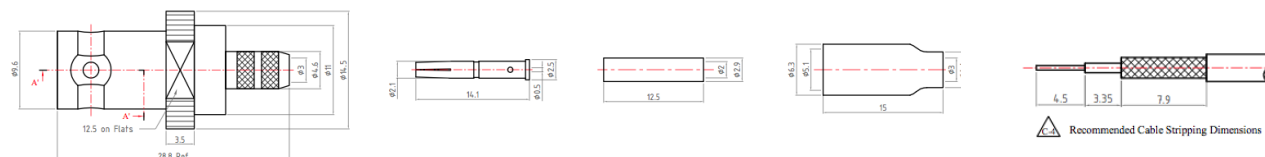
Applicable cables:

Type 1/7 broadcast coax

Conductor 0.42mm Dielectric diameter 1.70mm (TBC) Overall diameter 2.90mm (0.42/1.7/2.9)

Paladin Die set PA3703 centre pin 0.067" ferrule 0.213"

335-014-179 BNC cable female RG179B/U



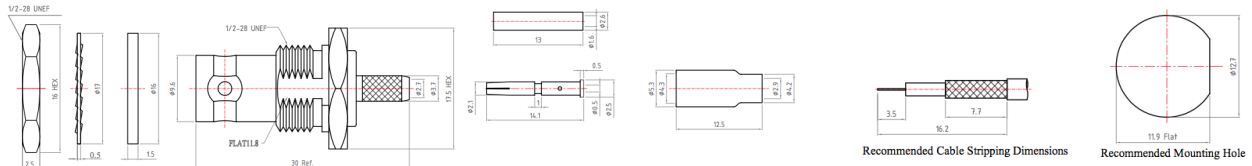
Applicable cables:

- Van Damme 268-302-020 Red Series Plasma Grade mini coax 2 way multicore
- Van Damme 268-304-020 Red Series Plasma Grade mini coax 4 way multicore
- Van Damme 268-305-020 Red Series Plasma Grade mini coax 5 way multicore
- Van Damme 268-320-020 Red Series Plasma Grade mini coax 20 way multicore
- Van Damme 278-302-020 Red Series Plasma Grade Ecoflex LSZH mini coax 2 way multicore
- Van Damme 278-305-020 Red Series Plasma Grade Ecoflex LSZH mini coax 5 way multicore
- Van Damme 268-350-202 AVI Series mini 2 video 2 audio multicore
- Van Damme 268-350-504 AVI Series mini 5 video 4 audio multicore
- Van Damme 278-006-043 AVI Series LSZH 6 video 4 audio 3 tracer multicore
- Van Damme 268-408-000 Plasma Grade mini coax black
- Van Damme 268-406-020 Plasma Grade mini coax red
- Van Damme 268-404-050 Plasma Grade mini coax green
- Van Damme 268-402-060 Plasma Grade mini coax blue
- Van Damme 268-400-090 Plasma Grade mini coax white
- Van Damme 268-403-040 Plasma Grade mini coax yellow

Conductor 0.38mm Dielectric diameter 1.60mm Overall diameter 2.60mm (0.38/1.6/2.6)

Paladin die set PA3703 centre pin 0.067" ferrule 0.213"

335-012-179 BNC bulkhead female RG179B/U



Applicable cables:

- Van Damme 268-302-020 Red Series Plasma Grade mini coax 2 way multicore
- Van Damme 268-304-020 Red Series Plasma Grade mini coax 4 way multicore
- Van Damme 268-305-020 Red Series Plasma Grade mini coax 5 way multicore
- Van Damme 268-320-020 Red Series Plasma Grade mini coax 20 way multicore
- Van Damme 278-302-020 Red Series Plasma Grade Ecoflex LSZH mini coax 2 way multicore
- Van Damme 278-305-020 Red Series Plasma Grade Ecoflex LSZH mini coax 5 way multicore
- Van Damme 268-350-202 AVI Series mini 2 video 2 audio multicore
- Van Damme 268-350-504 AVI Series mini 5 video 4 audio multicore
- Van Damme 278-006-043 AVI Series LSZH 6 video 4 audio 3 tracer multicore
- Van Damme 268-408-000 Plasma Grade mini coax black
- Van Damme 268-406-020 Plasma Grade mini coax red
- Van Damme 268-404-050 Plasma Grade mini coax green
- Van Damme 268-402-060 Plasma Grade mini coax blue
- Van Damme 268-400-090 Plasma Grade mini coax white
- Van Damme 268-403-040 Plasma Grade mini coax yellow

Conductor 0.38mm Dielectric diameter 1.60mm Overall diameter 2.60mm (0.38/1.6/2.6)

Paladin Die set PA2699 centre pin 0.068" ferrule 0.178"

Note: Small BNC strain relief boots (RG174/RG179 type) will not work with this connector

Connector crimp dimensions summary

The following table lists the accurate crimp dimensions for the connector range should you wish to source your own tools, use a centre contact crimp tool or use a combination of alternative crimp dies.

Stock Code	Description	Centre Pin		Ferrule	
		Inches	Mm	Inches	Mm
335-012-000	BNC cable male RG179B/U	0.068	1.72	0.213	5.41
339-000-000	BNC cable male Type 1/3 broadcast coax	0.068	1.72	0.255	6.48
339-003-000	BNC cable male RG59B/U	0.068	1.72	0.255	6.48
339-075-000	BNC cable male Serial DV75	0.068	1.72	0.220	5.59
339-010-000	BNC cable male Type 1/7 broadcast coax	0.068	1.72	0.220	5.59
335-014-179	BNC cable female RG179B/U	0.068	1.72	0.213	5.41
335-012-179	BNC bulkhead female RG179B/U	0.068	1.72	0.178	4.52