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VAN DAMME TRUE 75 OHM 12GHZ BNC & 6 GHZ DIN 1.0/2.3 CONNECTORS

- 12GHz crimp connectors for HD-SDI applications
- Turned nickel plated brass body, gold plated brass turned centre pin, PTFE insulator
- True 75 Ohm construction for precision impedance
- 6 GHz DIN 1.0/2.3 connector for high density applications
- Return loss at 3GHz typically ≥ 20dB – SMPTE 424M requirement is >10dB

Product Listing Summary

Stock Code	Description	Cable types
339-075-300	HD-SDI BNC cable male Serial DV75	Van Damme 278-075-000, 278-075-006
339-675-300	HD-SDI BNC cable male RG6/U solid	Van Damme 278-175-000, 268-475-000, 268-675-000; Belden 1694A
339-875-300	HD-SDI BNC cable male RG6/U stranded	Van Damme 268-175-000
339-975-300	HD-SDI BNC cable male RG59/U solid	Van Damme 278-975-000; Belden 1505A
339-275-300	HD-SDI BNC cable male RG59/U stranded	Van Damme 268-275-000; Belden 1505F
339-775-300	HD-SDI BNC cable male Miniature HD-SDI	Van Damme 278-775-000
339-075-400	HD-SDI DIN 1.0/2.3 cable male Serial DV75	Van Damme 278-075-000, 278-075-006

Crimp Tooling summary

Van Damme recommend Greenlee Paladin Crimp tool frames and die sets.

Crimp tool frames:

Paladin 1302 Universal crimp tool frame (Moderate volume use)
Paladin 8000 Universal crimp tool frame (High volume use)

Die set table:

Stock Code	**Description**		**Paladin Die set**
339-075-300	HD-SDI BNC cable male Serial DV75		PA3703
339-675-300	HD-SDI BNC cable male RG6/U solid		PA3703
339-875-300	HD-SDI BNC cable male RG6/U stranded	Centre pin	PA3703
		Centre pin	PA2649
		Ferrule	PA2047
339-975-300	HD-SDI BNC cable male RG59/U solid		PA3703
			PA2649
339-275-300	HD-SDI BNC cable male RG59/U stranded		PA3703
339-775-300	HD-SDI BNC cable male Miniature HD-SDI	Centre pin	PA3703
		Centre pin	PA2649
		Ferrule	PA2699
339-075-400	HD-SDI DIN 1.0/2.3 cable male Serial DV75		PA3703

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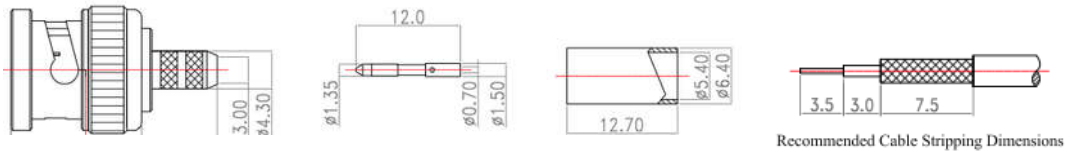
Product Details

339-075-300 HD-SDI BNC cable male Serial DV75



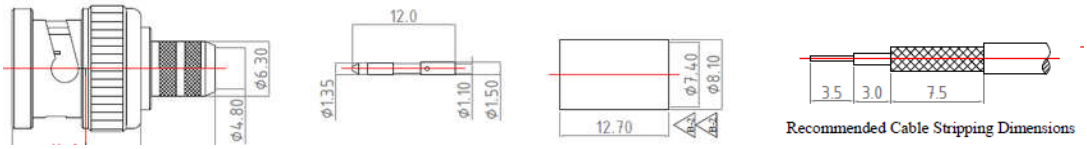
Applicable cables:

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

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

Paladin die set PA3703 centre pin 0.049" ferrule 0.213"

339-675-300 HD-SDI BNC cable male RG6/U solid



Applicable cables:

Van Damme 278-175-000 HD Vision Serial DVLL coax LSZH Ecoflex
Van Damme 268-475-000 HD Vision 4 way dynamic RG6/U coaxial multicore
Van Damme 268-675-000 HD Vision 6 way dynamic RG6/U coaxial multicore

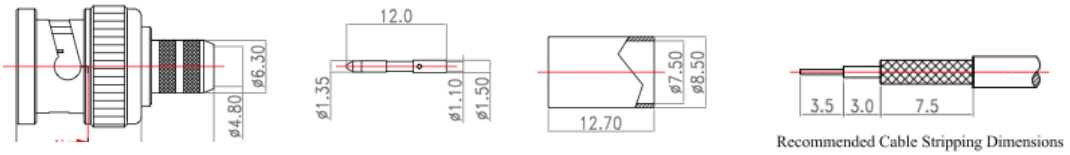
Conductor 1.02mm Dielectric diameter 4.70mm Overall diameter 7.00mm (1.0/4.7/7.0)

Belden 1694A low loss serial digital video cable

Conductor 1.02mm Dielectric diameter 4.57mm Overall diameter 7.01mm (1.0/4.6/7.0)

Paladin Die set PA3703 centre pin 0.049" ferrule 0.276"

339-875-300 HD-SDI BNC cable male RG6/U stranded



Applicable cables:

Van Damme 268-175-000 HD Vision flexible coax RG6/U

Conductor 19 x 0.20mm Dielectric diameter 4.57mm Overall diameter 7.00mm (1.0/4.6/7.0)

Paladin die set Centre pin PA3703 0.049" or PA2649 0.052"
Ferrule PA2047 0.315"

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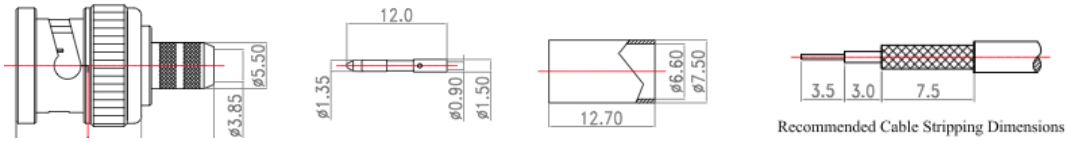
339-975-300 HD-SDI BNC cable male RG59/U solid



Applicable cables:

Van Damme 278-975-000 HD Vision RG59/U coax LSZH

Conductor 0.81mm Dielectric diameter 3.70mm Overall diameter 5.90mm (0.8/3.7/5.9)

Belden 1505A low loss serial digital video cable

Conductor 0.81mm Dielectric diameter 3.68mm Overall diameter 5.92mm (0.8/3.7/5.9)

Paladin Die set PA3703 centre pin 0.049” ferrule 0.255”
Paladin Die set PA2649 centre pin 0.052” ferrule 0.255”

339-275-300 HD-SDI BNC cable male RG59/U stranded



Applicable cables:

Van Damme 268-275-000 HD Vision flexible coax RG59/U

Conductor 19 x 0.16mm Dielectric diameter 3.70mm Overall diameter 6.15mm (0.8/3.7/6.15)

Belden 1505F flexible low loss serial digital video cable

Conductor 7 x 29AWG Dielectric diameter 3.68mm Overall diameter 6.15mm (0.8/3.7/6.15)

Paladin Die set PA3703 centre pin 0.049” ferrule 0.276”

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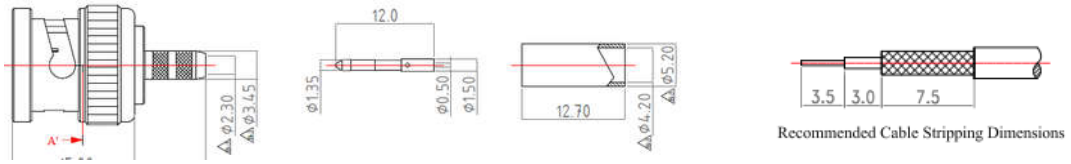
339-775-300 HD-SDI BNC cable male HD Vision Mini coax LSZH



Applicable cables:

Van Damme 278-775-000 HD Vision Miniature coax LSZH

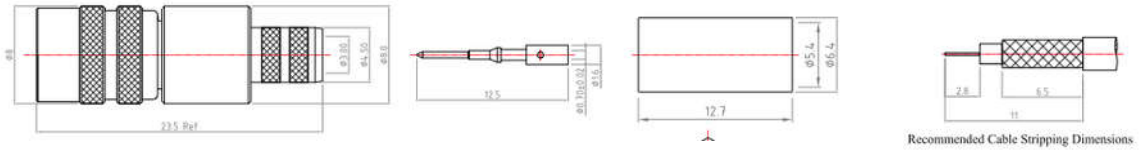
Conductor 0.41mm Dielectric diameter 1.90mm Overall diameter 3.10mm (0.4/1.9/3.1)

Crimp Size: Centre pin 0.049" to 0.052" (1.25mm - 1.32mm) Ferrule 0.178" (4.52mm)

Paladin die set Centre pin PA3703 0.049" or PA2649 0.052"
Ferrule PA2699 0.178"

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

339-075-400 HD-SDI DIN 1.0/2.3 connector Serial DV75



Applicable cables:

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

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

Paladin die set PA3703 centre pin 0.049" ferrule 0.213"

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
339-075-300	HD-SDI BNC cable male Serial DV75	0.051	1.30	0.217	5.51
339-675-300	HD-SDI BNC cable male RG6/U solid	0.051	1.30	0.278	7.06
339-875-300	HD-SDI BNC cable male RG6/U stranded	0.051	1.30	0.315	8.00
339-975-300	HD-SDI BNC cable male RG59/U solid	0.051	1.30	0.255	6.48
339-275-300	HD-SDI BNC cable male RG59/U stranded	0.051	1.30	0.278	7.06
339-775-300	HD-SDI BNC cable male Miniature HD-SDI	0.051	1.30	0.178	4.52
339-075-400	HD-SDI DIN 1.0/2.3 cable male Serial DV75	0.052	1.33	0.213	5.41