

IN8000 SERIES

FLEXIBLE VGA CABLES



IN8025-1

The IN8000 Series

flexible high resolution VGA cables are designed for VGA-type analog video signals. These cables are ideal for interconnecting VGA video sources, VGA distribution amplifiers, VGA switchers, data projectors, data monitors and any other compatible devices featuring 15-Pin HD input and output connectors.

Flexible Design

The IN8000 Series cables are made with a new 14-conductor flexible cable. Featuring a special jacket design, the IN8000 cables offer remarkable flexibility for easy handling.



IN8075M-2

Optimized for VGA Video

With 14 discrete conductors, the IN8000 Series cable is optimized to carry all critical VGA signal information including RGB components, sync signals, stereo audio signals and ID bits. All sync polarities are preserved and all ID bits are passed, ensuring proper operation and mode tracking for the attached display device. The 14 conductor design also permits creative use of IN8000 cables for specialized applications.

Also Available — VGA & Stereo Audio Cables

The IN8200 Series cables are available for applications requiring a high quality cable for VGA video and stereo audio. The IN8200 Series cables are made of the same

Cable Varieties for Every Need

IN8000 Series flexible VGA cables are available with (1) male and (1) female 15-Pin HD connector or with (2) male 15-Pin HD connectors. The cables are offered with durable molded 15-Pin HD connectors that feature large thumb screws for easy tightening and removal. For applications requiring the cable to be pulled through conduit, versions are available with removable 15-Pin HD shells.

Model Chart — IN8000 / IN8000M Series Flexible VGA Cables

IN8000-1: 15-Pin HD Male to 15-Pin HD Female, Molded Connectors

IN8000-2: 15-Pin HD Male to 15-Pin HD Female, (1) Removable Shell & (1) Molded Shell

IN8000M-1: 15-Pin HD Male to 15-Pin HD Male, Molded Connectors

IN8000M-2: 15-Pin HD Male to 15-Pin HD Male, (1) Removable Shell & (1) Molded Shell

- ### FEATURES
- **New Cable Jacket Provides Remarkable Flexibility and Easy Handling**
 - **Ideal for Interconnections Between Computers, VGA Distribution Amplifiers, VGA Switchers, Monitors, and Data Projectors**
 - **Available as Male to Female (IN8000) or Male to Male (IN8000M)**
 - **Available With Molded 15-Pin HD Connectors or Removable Shells**
 - **14-Conductor Cable Contains:**
(3) Mini-Coax for RGB Signals, (2) Shielded Twisted Pairs for Sync Signals, (2) Shielded Twisted Pairs for Stereo Audio and (3) Single Wires for Sense Pin Passing
 - **Special Discount Pricing for 1000' Bulk Rolls (IN8000K)**
 - **Bandwidth of 50' Cable:** 135 MHz @ -3dB

14-conductor flexible cable as the IN8000 Series, but feature a 3.5mm stereo mini male connector on each end of the cable in addition to the 15-Pin HD VGA connectors.

Mini Coax For High Performance

While low cost VGA extension cables are often constructed entirely from twisted pair cables, the IN8000 Series cables include three high performance mini-coax conductors to carry the Red, Green, and Blue signal components. With a measured -3dB video bandwidth of 135 MHz for a 50' long cable (0.7V input signal) the IN8000 Series cables provide high performance to maintain signal clarity and detail and are compatible with all signal resolutions up to 1800 x 1400. The mini-coax design also keeps the overall cable diameter compact for easy handling.

IN8000 Series cables are available in various lengths terminated with high quality 15-pin HD connectors, or as bulk cable. The IN9310 15-Pin HD female connector kit and IN9311 15-Pin HD male connector kit are used to terminate bulk cables.

SPECIFICATIONS

GENERAL

RGB Conductors:
(3) Mini Coax Conductors — 26 AWG

Sync / Audio Conductors: (4) Individually Shielded Twisted Pairs — 26 AWG

ID Bits / Sense Pins:
(3) Individual Conductors — 26 AWG

Overall Shield:
Reverse Spiral Shield,
38 AWG Tinned Copper

CABLE TERMINATION PARTS

VGA Connector Kits:
15-Pin HD Female: IN9310
15-Pin HD Male: IN9311

COAX CONDUCTOR SPECS

Gauge: 26 AWG — Stranded Conductor for RGB Signals

Impedance: 75 Ω +/- 3 Ω

Capacitance: 18.0 pf/ft. nominal

Velocity: 83% nominal

Time Delay: 1.32 nSec/ft. nominal

Bandwidth — 50':
135 MHz @ -3dB with .7 Vp-p signal

Bandwidth — 100':
40 MHz @ -3dB with .7 Vp-p signal

Center Conductor DC Resistance:
41 Ω/1000 ft. nominal, 75 Ω impedance

Outer Diameter: 0.35" / 9.0 mm

Outer Jacket Material: PVC

Outer Jacket Color: Black

Regulatory Approval:
UL AWM: 2990 80 C 30V

ORDER INFORMATION

IN8000 SERIES PARTIAL LIST

Molded 15-Pin HD Connectors

IN8006-1 6' VGA Flexible Cable, Male to Female

IN8012-1 12' VGA Flexible Cable, Male to Female

IN8025-1 25' VGA Flexible Cable, Male to Female

IN8035-1 35' VGA Flexible Cable, Male to Female

IN8050-1 50' VGA Flexible Cable, Male to Female

IN8075-1 75' VGA Flexible Cable, Male to Female

IN80100-1 100' VGA Flexible Cable, Male to Female

Molded 15-Pin HD Connectors

IN8006M-1 6' VGA Flexible Cable, Male to Male

IN8012M-1 12' VGA Flexible Cable, Male to Male

IN8025M-1 25' VGA Flexible Cable, Male to Male

IN8035M-1 35' VGA Flexible Cable, Male to Male

IN8050M-1 50' VGA Flexible Cable, Male to Male

IN8075M-1 75' VGA Flexible Cable, Male to Male

IN80100M-1 100' VGA Flexible Cable, Male to Male

IN8000 VGA Flexible 14-Conductor Cable, Bulk — 200' (61 m) Minimum Order

IN8000K VGA Flexible 14-Conductor Cable, 1000' (304 m) Bulk Roll

IN9310 15-Pin HD Female connector kit with pins and shells

IN9311 15-Pin HD Male connector kit with pins and shells