KRAMER ELECTRONICS C-GM-XX FAMILY OF NON-PLENUM "INSTALLATION" CABLES

INTRODUCTION
Thank you for your purchase of Kramer's single-ended installation cables. They are designed to be pulled through a wall, raised floor, ceiling, table, or other hidden space, then have the bare end terminated with either another 15 pin, or 5 BNC connectors for RGBHV. Please note that the C-GM-XX family is not plenum rated. If local codes require plenum rated cables, see Kramer's CP-GM-XX family.

DESCRIPTION
Kramer's C-GM-XX cables are built with a high quality molded 15 pin high density VGA type connector permanently installed on one end, and only the exposed 5 coaxes on the other. The raw cable used for is Kramer BC-5X28 which contains 5 high resolution mini coaxes color-coded red, green, blue, yellow, and black which will correspond to red, green, and blue video, plus separate horizontal and vertical sync, in that order. Since there are only 5 coaxes, it is not possible to pass extra pins for plug & play or ID bit support.

INSTALLING A VGA CONNECTOR
We recommend using a high quality solder type VGA connector such as Kramer's model "2551-815004". This item can be obtained from the same vendor you purchased the cable from. Each of the 5 coaxes are already prepped by separating the outer shield from the center conductor using heat shrink, then each exposed tip has been tinned making it easier to solder to the pins of a VGA connector. Here is the recommended pin configuration for typical VGA:

Red center conductor	Pin 1
Red shield	Pin 6
Green center conductor	Pin 2
Green shield	Pin 7
Blue center conductor	Pin 3
Blue shield	Pin 8
H sync (yellow coax) center conductor	Pin 13
H sync shield	Pin 10 and 11
V sync (black coax)	Pin 14
V sync shield	Pin 10 and 11

INSTALLING 5 BNC'S
Using Kramer's high quality radial compression termination system, or other system compatible with typical 26/28 gauge mini coax, install BNC's on each of the 5 coaxes, noting the following color scheme:

Red coax	Red video
Green coax	Green video
Blue coax	Blue video
Yellow coax	Horizontal sync
Black coax	Vertical sync