



VideoEase VGA Balun (500010/500011)

Architectural and Engineering Specification

VGA video transmission via shielded twisted pair cable shall be provided by utilizing pairs of MuxLab supplied VGA Baluns, models 500010 or 500011. Model 500010 featuring a male DB15HD connector shall be used on VGA equipment that has a female DB15HD connector (typically the PC). Model 500011 featuring a female DB15HD connector shall be used on VGA equipment that has a male DB15HD connector (typically the VGA monitor). The VGA Baluns shall be used in pairs and shall be capable of transmitting VGA on Category 5 twisted pair cable. The VGA Balun shall be equipped with one (1) DB15HD video connector for attachment to standard VGA equipment. The balun shall also have one (1) shielded RJ45 jack for attachment to the STP cable. The VGA Balun shall work with laptops, plasma screens, LCD projectors, desktop PCs and other VGA equipment. In order to ensure reliable operation, the installer shall ensure that there is a common ground between the two (2) baluns by using Cat 5 shielded twisted pair terminated with shielded RJ45 plugs. The metal cladding of the shielded RJ45 plugs at both ends shall be terminated on the drain wire or metal braid of the shielded twisted pair cable. The VGA Balun shall work with unshielded twisted pair only in cases that the VGA devices at either end are connected to a common earth ground within the same building (For example, a desktop PC connected to a CRT monitor located in the same room).