

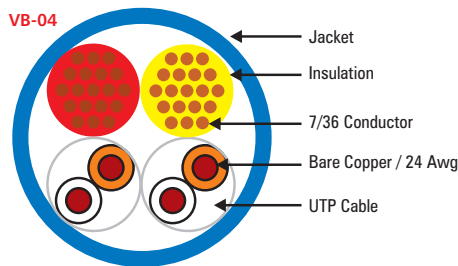
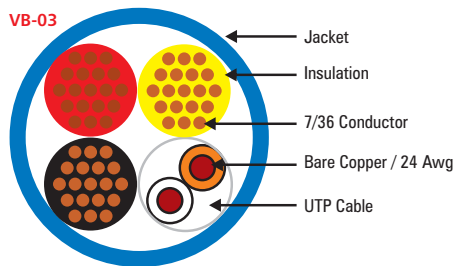


Pioneers in Securities



## VB-03 / VB-04 Digital Video Balun Cable

MX VB Cable (UTP) is actually a pretty interesting concept. Two electrical wires carrying voltage usually impact each other negatively, leaking electromagnetic radiation and “bleeding” signals to each other. For example, video cables use the UTP principle. Basically, UTP cables use two wires twisted around each other. Because the wires are twisted, this basically means that they will not generate negative signal interference or any kind of interrupting noise. Without going too much into technical detail, let’s just say that twisting them around themselves neutralizes noise bleed and basically enables electrical impulses to pass through both wires without any difficulty. UTP cables are used for video for long distance. 7/36 3 core will carry 12 v DC and audio signals with video.



### Cable Construction

- 2-pair with rip cord ( for video)
- 0.5mm solid bare copper / 24 AWG
- 7/36 2 Core flexible wire (for power & data)
- 5.5mm max jacket diameter
- 1.0mm max conductor insulation diameter
- Compliance

Specification	VB - 03	
Environment	Composite video.	
UTP Core	1 Pair	2 Pair
UTP Inner Bare Copper	0.5 mm / 24 AWG	
Multi Strength Wire Core	7/36 Copper	
Insertion Loss	Less than 2 dB per pair over the frequency range from DC to 8 MHz	
Return Loss	Greater than 15 dB over the frequency range from DC to 8 MHz	
Max. Distance Color – Cat 5 UTP	Composite: 1,000 ft (305m).	
Cable – UTP	1 MHz Maximum capacitance: 20 pf/foot. Attenuation: 6.6 dB/1000 ft at 1 MHz" impedance: 100 ohms at 1 MHz	
Impedance	110N	
Pulling Tension (Max)	22mm	
Bend Radius (Min)	0 to 50° c	

### VERY ADVANCED VB-03 / VB 04 CABLE

MX VB-03 / 04 Cable is designed for Hi-Performance for Long Distance of Video and 12 V DC. There is No Data Loss in Video Performance for Long Distance up to 300 Mtrs.

**Live Connection  
Between  
300 Mtrs. Distance**

