

ProPlex[®] RGBHV Cable

GENERAL DESCRIPTION

The cable is composed of 5 mini-coaxial-precision video cables, for component analog/computer color monitor applications using RGBHV (Red, Green, Blue and separate horizontal and vertical sync on five conductors) signals, for computer-video signals being routed via interfaces, switchers or amplifiers to projectors or monitors. Five mini 75-Ω coaxial PU jacketed cables are cabled around a filler tape wrapped and jacketed with a flexible heavy-duty black PVC compound. The cable is flexible, yet has good resistance to rough handling and abrasion during portable use.

1. RGB Coaxial Cores:
 - 1.1. Inner Conductor:
 - 1.1.1. Material: Stranded tinned copper.
 - 1.1.2. Construction: 7x0.16 mm stranded (26 AWG).
 - 1.1.3. OD: 0.48 mm nom.
 - 1.2. Dielectric:
 - 1.2.1. Material: Foamed Polyethylene.
 - 1.2.3. OD: 2.3 mm nom.
 - 1.3. Outer Conductor:
 - 1.3.1. Construction: Aluminum foil + tinned copper braid.
 - 1.3.2. Braid Material: Tinned copper 0.127 mm nom.
 - 1.3.3. Coverage: 100% nom.
 - 1.4. Jacket:
 - 1.4.1. Material: Flexible PU, abrasion resistant.
 - 1.4.2. Color: Red, Green, Blue, White, Yellow.
 - 1.4.3. Thickness: 0.5 mm nom.
 - 1.4.4. OD: 4.0 mm nom.
2. Cable Construction:

The coaxial cores are cabled concentrically around a filling member and wrapped with separation tape.
3. Outer Jacket
 - 3.1. Material: PVC compound.
 - 3.2. Color: Black.
 - 3.3. Thickness: 1.4 mm nom.
 - 3.4. OD: 13.8 mm nom.
 - 3.5. Marking: Per request.
4. Electrical Properties of coaxial cables:
 - 4.1. Nominal Characteristic Impedance: 75 Ω.
 - 4.2. Attenuation:

6.5 dB/100m max. @	10 MHz.
12.2 dB/100m max. @	50 MHz.
18.6 dB/100m max. @	100 MHz.
25.6 dB/100m max. @	200 MHz.
43.2 dB/100m max. @	400 MHz.
 - 4.3. DC Resistance: 150.0 Ω/Km max. @ 20C.
 - 4.4. Dielectric Strength: 300 volts/1 minute min.
 - 4.5. Velocity of Propagation: 78% nom.
 - 4.6. Capacitance: 54.8 pF/m nom.
5. General Properties:
 - 5.1. Total Weight: 198 Kg/Km nom.
 - 5.2. Max Pulling Force: 350 N.

ProPlex[®]
PROFESSIONAL CONTROL CABLE

LITPPXRBGHV-010907



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