

MICRO-VPATCH CABLE SERIES

MICRO-VPATCH Micro Video Patch Cable 12G AVP/Bitree/Switchcraft Compatible Black

The Laird MICRO-VPATCH Series 12G-SDI/4K UHD Single Link Micro Video Patch Plug cables maximize 12GHz, 4K UHD signal transmission over a single coax cable while minimizing weight and space and reducing connectivity. The cables are terminated with Switchcraft 2P7032 Single UHD 75 Ohm Micro Video Patch Plugs. The Belden 4505R 20AWG precision coax cable features a PVC jacket and a silver-plated copper conductor with gas-injected foamed HD polyethylene insulation. Designed for critical equipment connectivity and signal flow, these sturdy cable assemblies provide secure equipment connections in production trucks, control rooms, and studios.

*** Laird certified lengths are defined as max transmission where signal integrity remains 100% functional without any CRC errors, your 12G-SDI ST 2082 signals may function at or beyond the manufacturer-certified lengths without issues- however when CRC errors are present there could be drops in audio, video, meta and ancillary data. In most circumstances, video integrity remains intact at OEM distance ***

Features:

- Designed for UHD and 4K Video Transport
- 12 GHz, 4K UHD Precision 75-Ohm Video Cable
- Single Link Micro Video Patch Plug Simplifies Installations
- Optimized Transmission Distance for UHDTV
- Return Loss: Guarantees -15 dB RL from 4.5 to 12GHz
- Meets SMPTE 424M, ST2081-1 and ST2082-1 Standards
- Sweep tested 5 MHz to 12 GHz

Specifications:

- **Belden 4505R 20 AWG 12G SDI Coax Cable with PVC Jacket:**
 - **Mechanical Characteristics:**
 - Operating Temperature Range: -30°C To +75°C
 - Max. Recommended Pulling Tension: 52 lbs.
 - Min. Bend Radius/Minor Axis: 2.500 in.
 - **Electrical Characteristics:**
 - Impedance (Ohm): 75
 - Inductance (µH/ft): 0.107
 - Capacitance (pF/ft): 16.100
 - Nominal Velocity of Propagation (%): 83.000
 - Nominal Delay (ns/ft): 1.220
 - Nom. Conductor DCR @ 20°C (Ohm/1000 ft): 10.200
 - Nominal Outer Shield DCR @ 20°C (Ohm/1000 ft): 3.400
 - Max. Operating Voltage - UL: 300 V RMS
 - **Physical Characteristics:**
 - # Coax: 1
 - AWG: 20
 - Stranding: Solid
 - Conductor Material: Silver Plated Copper
 - Dia. (in.): 0.032
 - Insulation Material/ Diameter (in.): Gas-injected FHDPE - Foam High Density Polyethylene / .145"
 - Outer Jacket Material: PVC - Polyvinyl Chloride
 - Overall Nominal Diameter: 0.233 in.
- **Switchcraft 2P7032 Single UHD 75 Ohm Micro Video Patch Plug:**
 - Meets SMPTE 2082-1
 - Impedance (Ohm): 75
 - Contact Resistance: Less than 50 Milliohms
 - Life Cycle: 5,000 min
 - Plug Barrel: Copper Alloy/Nickel Plated
 - Sleeve and Ferrule: Copper Alloy/Nickel Plated
 - Contact Pin: Copper Alloy/Gold Plated
 - Insulators: Teflon
 - Boot: Thermoplastic Elastomer, UL94-VO, Gray

