

# Kramer BCP-5X-SOLID-500 5 Coax 25 AWG Solid Core Plenum Bulk Cable - 500ft

## DESCRIPTION

Kramer's BCP-5X-SOLID is a plenum rated high resolution 5-coax cable typically used for routing RGBHV signals in professional AV systems. It is optimized for use with a new generation of one piece compression connectors. It offers the best possible precision and ease of use in the field when working with BNCs and RCAs. In addition, the solid center conductor is ideal for connecting directly to equipment with terminal blocks.

- Plenum Rated - The low smoke and fire resistant properties of plenum rated cable allow it to reside in air return spaces of ceilings, floors, and walls, often saving the cost of installing conduit.
- Quality Construction - Each mini coax is a precision system consisting of a solid 25 gauge center conductor and foamed FEP dielectric surrounded by aluminum Mylar foil and tinned copper spiral shields. A white stripe in the jacket makes it easy to distinguish from its stranded counterpart.
- Numerous Applications - The most common application is routing RGBHV signals in pro AV systems but BCP-5X-SOLID also offers excellent performance with any combination of component or composite video, and/or unbalanced audio.
- New Generation One-Piece Connectors - For quickest assembly use Kramer linear compression and stripper coax tools.
- Varied Selection of Length - Available in reels of 75/150/300m (246/492/984ft).

## SPECIFICATIONS

<b>CONSTRUCTION</b>	
<b>Coax Center Conductor:</b>	25 AWG solid bare copper.
<b>Dielectric:</b>	Foamed FEP.
<b>Shield:</b>	(A) 38 AWG tinned copper 90% spiral. (B) Aluminum Mylar foil 25% overlap rate.
<b>Coax Jacket Colors:</b>	Red, green, blue, yellow, black.
<b>Outer Jacket:</b>	XPbP lead-free plenum PVC.
<b>Outer Jacket Color:</b>	Black with white stripe extruded into jacket opposite side from the print legend.
<b>DIAMETERS</b>	
<b>Center Conductor</b>	0.457mm (0.018in).
<b>Dielectric:</b>	1.88mm (0.074in).
<b>Individual Coax Outer Jacket</b>	2.7mm (0.106in) nominal.
<b>Outside Diameter</b>	8mm (0.315in) nominal.
<b>ELECTRICAL</b>	
<b>Impedance:</b>	75ohm nominal.
<b>DC Resistance:</b>	105ohm/km (32ohm/1000ft) at 20-C.
<b>Capacitance:</b>	16pF/ft nominal.
<b>Time Delay:</b>	1.2ns/ft nominal.
<b>Attenuation (dB/100ft):</b>	-5.1dB @100MHz, -7.1dB @200MHz, -10.5dB @400MHz, -17.9dB @1000MHz.
<b>REGULATORY</b>	
<b>UL</b>	CMP per Article 800 NEC; CL2P per Article 725 NEC.
<b>RoHS</b>	In compliance with European directive 2002/95/IEC. Issue 13.2.2003.
<b>Note:</b>	Keep plenum cables at room temperature for 24 hours before use.