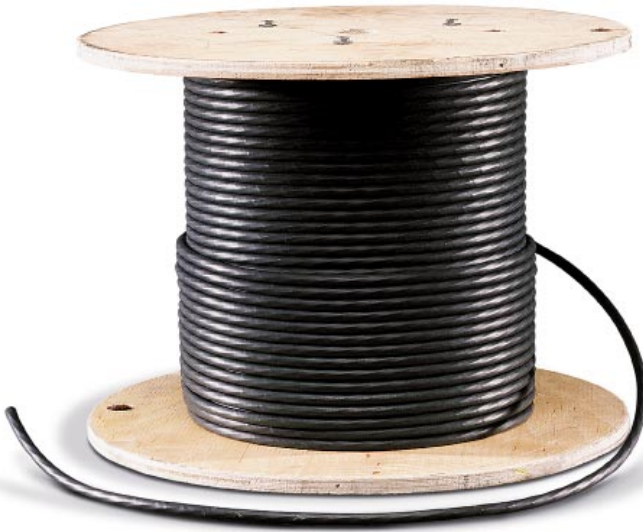


# IN7000FP Series

Standard Resolution Flexible Plenum Coaxial Cables



The **IN7000FP Series** coax cables are designed to route analog RGB signals between interfaces, switchers, distribution amplifiers, monitors, video projectors and any other components in a high resolution video display system. The **IN7000FP Series** cables are optimized for signal routing applications requiring a flexible plenum rated cable with good performance, small cable diameter, easy handling characteristics and low cost.

**Plenum Jacket** - The **IN7000FP** cable can be pulled inside a plenum ceiling without conduit, saving installation time and the expense of conduit. The **IN7000FP** cable is UL listed with a rating of CL2P which signifies that it is a class 2 power limited circuit cable, resistant to the spread to fire in accordance with article 725 of the U.S. national electrical code.

**Flexible Cable Construction** - In a marked departure from typical plenum cables which have traditionally been very hard, stiff, and difficult to work with, the **IN7000FP** offers remarkable flexibility. Utilizing innovative cable jacket construction, the **IN7000FP** provides plenum rating in a cable that has the flexibility normally associated with non-plenum cables.

**High Performance** - Although described within the **INLINE** product line as standard resolution cables, the **IN7000FP Series** provides exceptional bandwidth performance when compared to other mini coax cables. With video bandwidth of 130 MHz at 50 feet and 40 MHz at 100 feet, the **IN7000FP Series** is ideal for short and medium length cable runs with high resolution signals and cable runs up to 200 feet or more when used with lower resolution signals.

**Also Available** - The **IN7300 Series Super High Resolution Plenum Cable** provides superb bandwidth performance for the most demanding applications requiring CL2P plenum rating and exceptional bandwidth. Featuring 3 super high resolution and 3 mini coax conductors in a single jacket, the **IN7300P-6** is the first CL2P rated cable available to offer 6 conductors in a single jacket.

*continued on back*

**INLINE®**

Tel 714. 921. 4100  
Fax 714. 921. 4160

## FEATURES

- Plenum Jacket: Meets U.S. Fire Safety Standards for Use in Ceiling Plenums without Conduit
- Extremely Flexible Construction for Easy Handling and Cable Pulls
- Ideal for Interconnections Between High Resolution Video System Components Including Interfaces, Switchers, Distribution Amps, Data Monitors and Data Projectors
- Integral Kevlar Rip Cord for Easy Jacket Removal
- Cables are Color Coded: Red / Green / Blue / Yellow / Black
- Special Discount Pricing for 1000' Bulk Rolls (**IN7000FP-5K**)
- Bandwidth of 50' Cable: 130 MHz @ -3dB

## SPECIFICATIONS

### OVERALL CABLE ASSEMBLY:

Core:	5 Coaxial Components Cabled Together
Rip Cord:	Kevlar, Applied in Outer Interstice
Drain Wire:	26AWG 7/34 Tin Plated Copper, 0.019" Diameter
Shield:	Aluminum/Polyester Tape, Aluminum Side Facing In, 25% Overlap
Outer Jacket:	0.027" PVC Alloy, Color - Black
Outer Diameter:	0.375" / 9.5mm ±0.010 Nominal

### COAXIAL COMPONENT:

Conductor:	26 AWG - 7/34 Silver Plated Copper, 0.019" Diameter
Insulation:	0.0265" FEP Foam, 0.072± 0.0015" Diameter
Inner Shield:	38AWG Tin Plated Copper Spiral, 95% Coverage
Outer Shield:	Aluminum / Polyester Tape, Aluminum Side Facing In, 25% Overlap
Coax Jacket:	0.015" PVC Alloy
Coax Diameter:	0.115 ±0.005"
Coax Colors:	Red / Green / Blue / Yellow / Black
BNC Connector:	<b>IN9301</b>
Crimp Tool Frame:	<b>IN9320</b> Crimping Die: <b>IN9321</b>

### ELECTRICAL CHARACTERISTICS:

Impedance:	75 ohms nominal
Capacitance:	16 pF/ft. nominal
Time Delay:	1.19 nSec/ft. nominal
Velocity of Propagation:	85% nominal
Bandwidth (-3dB):	50' Cable: 120 MHz    100' Cable: 40 MHz
Conductor DC Resistance:	0.041 Ohms/ft. nominal @ 20°C, 75 Ohm impedance
Safety Certification:	UL Listing: Type CL2P CSA Certification: Type CMP

**IN7000FP Series** cables are available in various lengths terminated with high quality BNC connectors, or as bulk cable. The **IN9301** BNC connectors and the **IN9320** crimp tool frame and **IN9321** crimping die are used to terminate bulk cables.

## MODEL LIST

<b>LENGTH</b>	<b>MODEL</b>
25'	IN7025FP-5
50'	IN7050FP-5
75'	IN7075FP-5
100'	IN70100FP-5
150'	IN70150FP-5
200'	IN70200FP-5
250'	IN70250FP-5

<b>BULK CABLE (200' MINIMUM ORDER)</b>	
Per Foot	IN7000FP-5
1000' Roll	IN7000FP-5K