

## CPI-WHP Primary Isolator and Surge Protector

### PROTECTION & PREVENTION

The CPI-WHP is a high-performance CATV isolator with surge protection. The isolator adds protection to prevent CATV coax from carrying dangerous overload current.

The CPI-WHP is an IEC Class Level 5 isolator, offering the surge protection performance necessary to ensure the highest telecom equipment survivability. The device protects cable modems, STB's and other equipment from damage due to fast transients and spikes from electrical storms and power surges.

### Key Features

- HIPOT Tested in accordance with EN-60728-11 2005
- Subscriber and CPE Protection
- Reduces the Current Spike Magnitude of each Lightning Strike
- Repeated Lightning Strike Events do not Degrade Performance or Protection
- Sealed for IP67 Compliance Outdoors
- IEC Class A - RFI (EN 50083-2 [2006])
- IEC Class Level 5 (61000-4-5 [2005])



CPI-WHP Isolator

### Specifications

CPI-WHP Specifications	
Electronics	Specifications
Frequency Range	5 - 1000 MHz
Insertion Loss ( 5 - 1000MHz )	< 0.5 dB
Return Loss ( 5 - 1000MHz )	> 20dB Typ
RF Shielding ( 5 - 1000MHz )	Meets or Exceeds IEC Class A
Shield Surge Survival	6 kV / 100 KHz ringwave at CATV input port 4 kV Combwave 4 kV Unipolar impulse in accordance with ANSI/IEEE C62.41 at input port
Input Shield to Center Conductor Coupling	2 kV Min.
Leakage Current (Max.) Shield-to-Shield	8 mA (230 VAC @ 60 Hz)
Connectors	F Female - F Female
Size (mm)	68 L x 16.8 Dia.
Mechanical	
<b>Material:</b>	Body: Zinc Diecast Plating: Nickel Insulator: HDPE Connector Pin: BeCu
Torque Withstand	> 60 In. Lbs.
Environmental	
Operating Temperature	-30°C to +60°C

All values typical unless otherwise noted.

### Environmental

**IP67**   
COMPLIANT

High winds, thunder, rain showers and flooding are commonplace in regions with high electrical storm activity. The CPI-WHP is rated to IP67 standards for protection against wind-blown objects and moisture - up to full submersion in a meter's depth of water.