

## 2303 Induced Voltage Filter



The 2303 Induced Voltage Filter (IVF) is a field installed unit designed to provide maximum protection against 60 Hz induced power line currents and electrical noise. The unit is an environmentally sealed 60 Hz series pass filter and is connected between the protected shield armor and ground.

The IVF is a tuned series pass network which provides a low impedance path to ground for 60 Hz induced currents. The 60 Hz influence is induced into communication cables which are placed in close proximity to power lines. The IVF shunts the 60 Hz currents to ground while allowing low voltage monitoring, locate tones, and fault locate signals to pass.

### Features

- Provides low impedance ground path for 60 Hz induced voltages
- Continuous operation
- Designed for indoor use
- Rated at .5 amp continuous current
- Wall mount bracket included
- Standard 16 gauge copper leads

# Specifications

ITEM	QUANTITY/SPECIFICATION	NOTES
<b>Induced Voltage Filtering</b>		
Voltage Reduction Ration (typical) (Z <sub>source</sub> = 200Ω, IF = 1 amp)	7:1	V <sub>I</sub> / V <sub>f</sub>
Maximum Voltage (Continuous)	20 V	AC RMS
(5 min)	250 V	AC RMS
Clamping Voltage (typical)	15V	AC RMS
Impedance (nominal)	30 Ω @ 60 Hz (I = 1 amp) 1200 Ω @ 30 Hz 7000 Ω @ 512 Hz	
<b>Physical</b>		
Dimensions	4.2" x 2.8" x 2.4" (10.2 cm x 7 cm x 6 cm)	
Weight	3.5 lbs (1.6 kg)	
<b>Model Number(s)</b>		
Central Office/Remote Office	Indoor – Cable Vault	
<b>Model Number(s)</b>	2303 IVF	#16 Gauge Leads

PROVIDES LOW IMPEDANCE GROUND PATH FOR 60 HZ INDUCED VOLTAGES

CONTINUOUS OPERATION

DESIGNED FOR INDOOR USE

RATED AT .5 AMP CONTINUOUS CURRENT

WALL MOUNT BRACKET INCLUDED

STANDARD 16 GAUGE COPPER LEADS

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SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

