

# Surface Splice Box

## Radiating Cable



INNOVATING SAFETY. POWERING PRODUCTIVITY.

### The Model SSB-LL (Surface Splice Box – Radiating Cable) is a lightning arrester for leaky feeder systems

The Surface Splice Box is installed outside of the mine. The gaseous discharge tube arrester can withstand multiple lightning strikes. The arrester is placed in series with the leaky feeder cable. There are two leaky feeder saddle and clamp connections in the unit.



Outside of SSB-LL



Inside of SSB-LL

#### BENEFITS

- Protects the system from the damaging effects of lightning
- Leaky feeder connections (x2)
- Passive element

#### DEVICE COMPATIBILITY

- Leaky feeder systems

### LIGHTNING ARRESTOR TECHNICAL SPECIFICATIONS

Specifications	
Frequency Range	DC-2500MHz
VSWR	<1.1:1 DC – 1GHz
VSWR	<1.2:1 1 – 1.5GHz
VSWR	<1.3:1 1.5 – 2.5GHz
Insertion Loss	<0.1dB
Power	90 VDC (voltage)
Current Handling Capability	20kA *IS 8/20uS

### DEVICE SPECIFICATIONS

Specifications	
Frequency Range	10 to 175 MHz
Power Requirement	None
Insertion Loss <sup>1</sup>	2.1 dB
Connectors, Leaky Feeder	Nickel plated brass, saddle and clamp
Impedance	75 ohm
Dimensions	400 x 300 x 210mm (15.7 x 11.8 x 8.3 in)

<sup>1</sup> insertion loss approximation

## PBE OFFICE LOCATIONS



### USA — Main

Location: North Tazewell, Virginia  
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### USA — Corporate

Location: Charlotte, North Carolina  
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