

# Load Coil 88mH

Model SA-2642-8801



**NAME**  
**Load Coil 88mH**

**ORDER NUMBER**  
**SA-2642-8801**

The CNI Load Coil is placed along a telephone line to compensate for the losses in signal over long distances. The load coil induces an electrical current via magnetic fields to compensate for lost signal power.

The SA-2642-8801 load coil has a Loop inductance of 88mH and is designed to moderate the loss in signals, or attenuation, or minimize it at high voice frequencies in telephone lines. They are recommended for loops larger than 18Kft and the 88mh coil will cancel 6,000ft of capacitance, therefore they are to be placed in 6Kft intervals to lower the electrical losses at high frequencies.

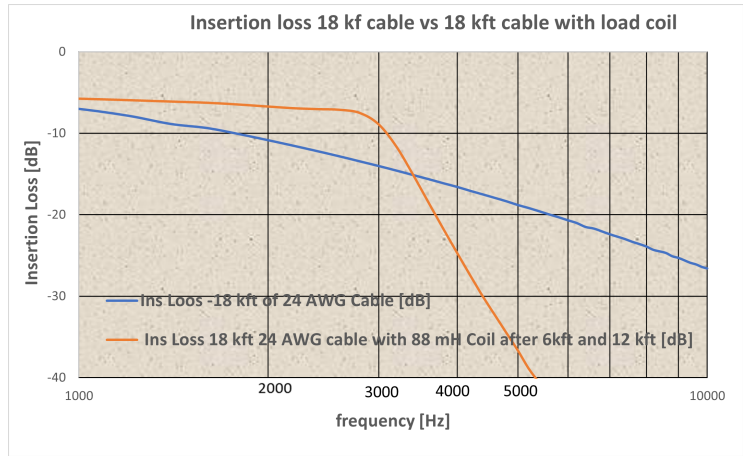
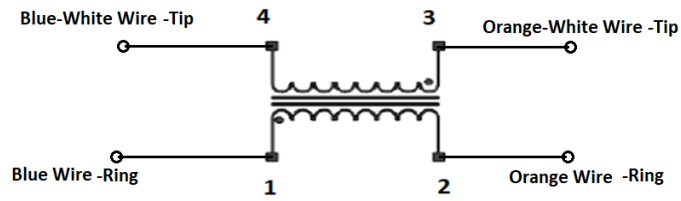


## SPECIFICATIONS

<b>WIRING</b>	IN	Pin 1: Blue Wire
		Pin 4: Blue/White Wire
	OUT	Pin 2: Orange Wire
		Pin 3: Orange/White Wire

**LOOP INDUCTANCE** 88mH

**DC RESISTANCE** 4.2  $\Omega$  typical



**Figure 2:** Voice band insertion loss 18 kft cable vs 18 kft cable with load coils after 6 kft and 12 kft