

MAGNELAB

# RopeCT® AC Current Sensor RCT-Series

## 24 Inch Rogowski Coil

Magnelab RCT-Series flexible RopeCT® Current Sensor measures AC current up to 15,000 Amps. The coil opens at the connector junction and can be installed on an existing cable or buss-bar in a matter of seconds.

### SPECIFICATIONS

Rated Primary Current	Up to 15,000 Amp
Rated Output	0.070 Volt per 1,000 Amp, 60 Hz
Accuracy	0.5% Class per IEC 61869-2 Accuracy from 100 Amps to 15, 000 Amps
Phase Displacement	< 0.5°
Temperatures	UL Rated Ambient: 55°C Operating: -15°C to 65°C Storage: -45°C to 80°C
UL Relative Humidity Rating	85%
Leads Rating:	Length: 8 ft, 24 AWG gray cable 600 V
UL Max Voltage	600 V on bare conductor BIL 10 kV
RMS Voltage	10,000 V for AC insulation Test (1 min)
Rated Frequency	30-1,000 Hz
Minimum impedance	75 kOhms
Certifications	UL STD 61010-1, E96927 to IEEE C57. 13 CAN.CSA C22.2 No. 61010, 60044-1 Standard IP68 IEC60529
Weight	0.34 lbs (0.15 kg)

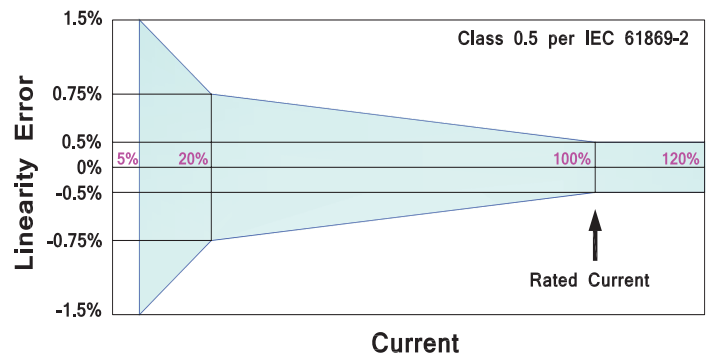
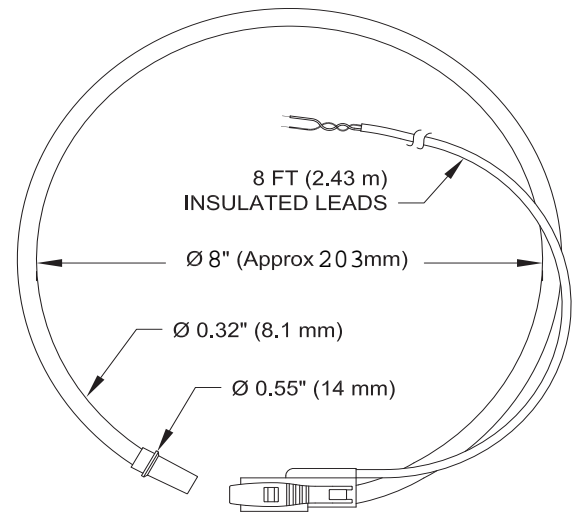
PART NUMBER	DIAMETER APPROX.
RCT-1200-Coil	4.0"
RCT-1800-Coil	6.0"
RCT-2400-Coil	8.0"
RCT-3600-Coil	12.0"



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### APPLICATIONS

- Submetering
- Revenue-grade Metering
- Smart Home Energy Management System
- Power Generation Monitoring
- Industrial Pump Monitoring
- Solar Consumption Monitoring
- EV Charging Stations
- Substation LV/MV/HV
- Lifecycle Management of Equipment



UL US CE RoHS2 ISO9001

\*\*Magnelab reserves the right to implement modifications without prior notice