

# Application Questionnaire Resonant Test System for Cables



Date:

**Customer Information:**

Company Name:

Address:

Contact Name:  Email:

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**Description of Test Object:**

Power Cable Type

Other

**Test Requirements:**

- Voltage Test
- Partial Discharge Test
- Lightning and Switching Impulse Voltage Test
- Capacitance and Dissipation Factor Measurement
- Heat Cycling Test

**Test Loads:**

Voltage Class [kV]	Test Voltage [kV]	Capacitance per km [ $\mu$ F/km]	Total Load Capacitance [ $\mu$ F]	Length of Cable to be tested	Diameter of Cable Insulation

**Testing Standards (e.g. IEC 60840, ICEA S-108-720, etc):**

**Test Requirements: (continued)**

**Duty Cycle:**

Standard: 5 min ON / 15 min OFF

Other, Specify below:

\_\_\_\_\_ kV      \_\_\_\_\_ kVA      \_\_\_\_\_ min ON      \_\_\_\_\_ min OFF      \_\_\_\_\_ # cycles per day  
\_\_\_\_\_ KV      \_\_\_\_\_ KVA      \_\_\_\_\_ min ON      \_\_\_\_\_ min OFF      \_\_\_\_\_ # cycles per day

Long term tests/prequalification test: \_\_\_\_\_ days / year

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**System Requirements:**

**Operating Conditions:**  Indoor     Outdoor – Fair weather only     Outdoor – All weather

**Mobility:**     Fixed Location     Casters     Mobile Package

**Environmental Specifications:**

Altitude:  meters      Ambient Temperature Range:  to  °C

Relative Humidity:  %

Special Conditions:

**Input Voltage, Frequency**  V     Hz

**Controls/Instrumentation:**

Analog     Digital     PLC     Computer Control

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**Technical Service**

On-Site Commissioning       Training

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**Other:**

Shielded Room       Oil Terminations       Water Terminations

**Comments:**