

# AUTOMATED CABLE TEST SYSTEM

ACTS for MU 27 pin Cables



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PIN 1020200085

## PRODUCT OVERVIEW

The Automated Cable Test System for MU 27 pin cables (ACTS) provides a reliable & repeatable method of qualifying MU cables for in-field use. The system measures conductivity, dielectric isolation between conductors and dielectric isolation from a conductor to chassis ground. All pin combinations are scanned in sequence to detect and identify faults. The test sequence is fully automated and controlled by a user-friendly software package running on an integrated PC. The software interface reports the test results in an easy to read database type table. Based on the results and customer requirements, the cables can be repaired to correct the indicated faults or removed from service. The test sequence is done through a pre-scan if the pre-can passes, the cable is ready to go into service. During the pre-scan test, if a problem is detected with leakage then an automatic "deep scan" will take over. The total pre-scan tact time to test a functional cable is less than 2 minutes. If a "deep scan" is required, the tact time will be different and based on the number of detected faults.

## PRODUCT SPECIFICATION

- Input supply: 110~120Vac @ 0.75A (fused)
- Output Voltage for Conductor to Conductor Dielectric Tests: 250Vdc +/- 5% @ 20mA
- Output Voltage for Continuity Tests: 8V @ 150mA
- Output Voltage for Conductor to Ground Isolation Dielectric Tests: 250Vdc +/- 5% @ 20mA
- Continuity Test accuracy: +/-5% impedance @ 150mA
- Dielectric Leakage Threshold (pin-pin) : 200K ohm +/- 5% (>210K = Pass, <190K = Fail)
- Dielectric Leakage Threshold (pin-ground): 150K +/- 30%
- Operating Temperature: 0C to + 40C
- USB 2.0 connectivity
- Windows based Software controls test sequences and generates reports
- LED status indicators for "Power" and "Busy" states

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