



CABLE SYSTEM ASSESSMENT

At Southwire, we understand that system reliability is a concern for power utilities. To help ensure underground transmission and distribution systems are operating at peak performance, we now offer Cable System Field Assessments as part of Southwire's 360° Capital Rehabilitation Program. We recommend a variety of diagnostic assessments to ensure the best decisions are made regarding the health of the electrical grid. Our assessments include:

COMMISSION ASSESSMENT

Confirms new circuits are installed defect free and ready for service

- Partial Discharge (PD) monitoring to identify localized defects in system components
- Sheath test to confirm integrity of jacket after installation
- Withstand test with PD monitoring

MAINTENANCE ASSESSMENT

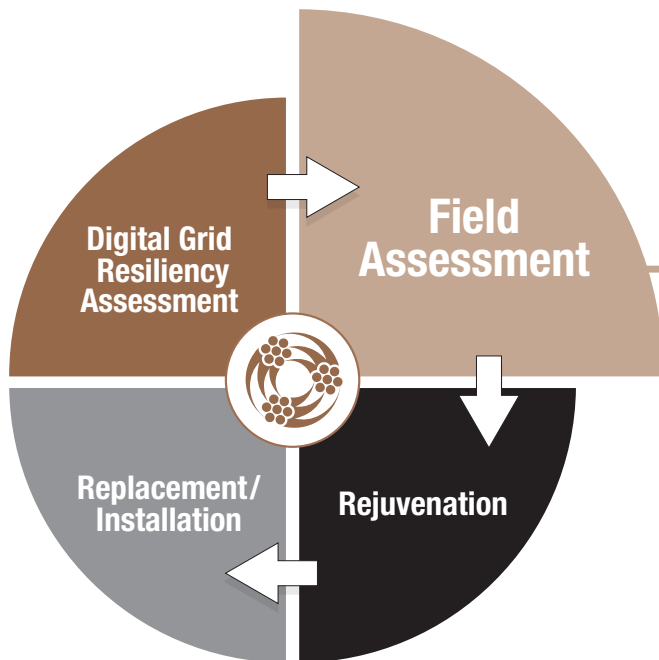
Performed on in-service cables to assess their condition

- PD monitoring to identify localized defects in system components
- VLF Tan Delta to determine cable insulation deterioration
- Withstand test with PD monitoring
- Neutral corrosion assessment (TDR)

RECOMMISSION ASSESSMENT

Confirms aged and repaired circuits are ready to be returned to service

- PD monitoring to identify localized defects in system components
- VLF Tan Delta to determine cable insulation deterioration
- Neutral corrosion assessment (TDR)
- Withstand test with PD monitoring



- Assess cables and other power components to establish an Asset Health Index for each
- MV/HV system commissioning
- Assessment and diagnostic capabilities include a combination of PD, Tan Delta, TDR, Withstand, etc.

To learn more, visit southwire.com/services or contact services@southwire.com