



Southwire

CABLETECH SUPPORT™

Services

SOLVING YOUR MOST COMPLEX CHALLENGES



EXPECTING THE UNEXPECTED

Our customers often face unique challenges that can occur at any stage of a project: from drafting plans, through executing project construction, to ongoing operations. That is why we are here.

Southwire's team of elite engineers has the depth of skill and the ability to respond with innovative solutions for your most unique wire and cable challenges.

Our customers expect us to have the experience and aptitude necessary to address their most complex and mission-critical challenges. This includes complicated problems that often appear without warning and need to be solved quickly. Southwire CableTechSupport™ Services team is here to meet those needs.

Our team is comprised of elite engineers with expertise in power, electrical, mechanical, civil, chemical, polymer science, industrial, and nuclear engineering.

WE ARE HERE TO HELP YOU AT EVERY STAGE OF YOUR PROJECT:



PLANNING

We can help ensure your projects stay on track, on budget, and meet industry regulations by assisting with project planning processes.



RESOURCING

Choosing the right wire and cable is critical to the success of your project. Our team of experts will collaborate with you to ensure the cable or conductor you source will meet the rigors of the application.



INSTALLATION

Often questions arise once materials are onsite. We can help ensure that our innovative solutions are installed properly according to industry best practices. This includes working onsite alongside engineers during the installation process to support the success of your most critical projects.



OPERATIONS

Our products are based on strong engineering principles and backed by years of research and testing. If you have a problem with wire and cable, let us know, and we will troubleshoot it for you – even if it's not our product.

*Premium engineering services using an hourly rate are also available in addition to the free services offered to our existing customers.

The engineers of Southwire's CableTechSupport™ team have a long history of helping when, where, and how you need it. If you have need of technical support or would like more information on our CableTechSupport™ Services, **please contact your local Southwire Sales Representative today.**



Southwire®

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SOUTHWIRE CABLETECHSUPPORT™ SERVICES ARE HERE TO HELP YOU AT EVERY STAGE OF YOUR PROJECT

Project Planning and Resourcing

Pre-planning

Calls to Discuss Timelines, Unique Challenges, Extended Warranty Options, and Southwire SPEED™ Services

Wire & Cable Specification Review

to Validate System Requirements & Cable / Conductor Performance

Codes & Standard Confirmation:

NEC/NFPA, UL/CSA, IEEE, ASTM, ICEA, AEIC, NEMA, NESC

Electrical Modeling

for System Designs (Ampacity, Voltage Drop, Short Circuit, & Southwire Mobile and PC-based Calculator Apps)

Wire & Cable Product Selections

(Conductor Sizing, Insulation, Shielding, Jacket, Ratings)

Cable / Conductor Pulling Calculations

& Route Reviews

Sag/Tension Modeling,

Sag Charts, and Stringing Tables

Conductor Testing

including Stress-Strain, Ultimate Strength, and Creep. Hardware Tensile Strength Testing

Cable Installation and Operations

SIMPull™ Pulling Head

Installation Support at Job Sites

Supervised Cable / Conductor Pulling On-Site;

Rigging Recommendations for Complex Pulls; Cable Damage Evaluations

Jacket Repair Procedure

and Chemical Exposure Verifications, Operational Concerns, & Certified Test Reports (CTR or COA) (available upon request)

Nitrogen Purging

On-Site to Dry Out Wet Cables

Cable Preparations

and Check-List for Installing Terminations & Splices

Field Testing

Procedure Reviews and Southwire SPEED™ Cable Replacement Recommendations

Product Training

Wire & Cable 101 **Trainings** On-Site, Webinars, Southwire Solutions University (SSU™) or Continued Education Seminars

Vertical Market Product Training: **Infrastructure & Data Centers (Residential & Commercial)**

Vertical Market Product Training: **Oil & Gas, Petrochem, Hazardous Locations**

Vertical Market Product Training: **Utility & Renewable (PV & Windfarm)**

Vertical Market Product Training: **Transit & Transportation**

Vertical Market Product Training: **Factory Power & Automation & OEM**

GIVING BACK THROUGH INDUSTRY AND COMMUNITY

Sustainable Industry & Community Outreach

Industry Organization Memberships & **Contributions** to Industry Training Manuals

Authors of Industry Recognized

Resources including the Overhead Conductor Manual, Power Cable Manual, SAG10® Software, and SWRate Pro Software

Contributing Authors

to Industry Publications & Technical Journals

Codes & Standard Panel Participation:

NEC, UL, CSA, ICEA, NEAM, & CANENA

College **Campus Recruiting** & Engineering School Outreaches

SWEA (Southwire Engineering Academy)

and Science Fair Judges: Collaborations with High School Students

Multi-Year Engineering Internships

(Inspiring the Next Industry Leaders)

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