

The industry standard for sag-tension calculation software.  
Now, more powerful than ever.

## Introducing SAG10® Version 4.0

Our new software is backed with **120,000 hours of testing data, valued at \$7.5M**. This industry leading software is a play on words for SAG-TEN (TENSION). SAG10 uses the Alcoa Graphic Method and is widely recognized as the industry standard for overhead conductor sag-tension calculations. Southwire's SAG10 software is a Windows-based, user-friendly application powered by more than 75 years of expertise in sag-tension calculations.



**It's time to upgrade to the most advanced sag-tension software ever.**

**New, easy-to-use features allow you to work smarter and faster.**

- Compatible with Windows®\* 7, 64 Bit
- One-click software and data updater
- Single and multiple PLS-CADD file output
- Easy-to-use menu-driven Interface
- Optimized U.S./Metric units and conversions
- User licenses starting at \$5,000

\*Windows is a registered trademark of Microsoft Corporation in the United States and other countries.

**Utility experience you can trust.**

Southwire's SAG10 software combines more than 75 years of sag-tension calculating experience with over 60 years of conductor design and manufacturing expertise to deliver an unequalled design tool.

**Designed and tested by engineers, for engineers.**

Our engineers know first hand that today's demanding design criteria require software and expertise you can count on. That's why they've designed new features into SAG10 Version 4.0 with you in mind.

The people behind the power.™



# Application Features

## Compatible with the Windows 7®\* operating system

- Full Compatibility with the Windows XP, Windows 7, and Windows 8 operating systems, both 32-bit and 64-bit editions.

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## Flexible licensing options

- Single user licenses with both PC and laptop install
- Concurrent licenses with per seat licensing

## Annual maintenance contract

- Automated software and data updates
- Technical support through phone and email

## Updated data, units, and methods

- Updated conductor data
- Easily export Power Line Systems, Inc. (PLS-CADD®) files
- Updated U.S./Metric units and conversions
- Improved performance and reliability
- Automated stress-strain chart selection using logic algorithms
- Calculation optimization – Rounding only for displayed values, unit conversions made only for display
- Updated load tables per the NESC 2012 and RUS 2009
- Updated VR2® (Twisted Pair) calculations
- °C/°F unit selection in Edit Loading Table screen

## Enhanced, easy-to-use menu-driven interface

- Conductor types are in drop-down format and better grouped for easy selection
- Enhanced Loading Table Editor, including simplified loading limit entry
- Edit and save Glazed and Rime Ice Densities
- Save ADSS conductors to Custom and in project files
- View graphs of stress-strain charts

## Improved Sag-Tension Reports

- Both °C and °F units
- Added loading limits table

## SAG10 Calculation Features

- Alcoa Graphic Method for Sag Tension Calculations for ACSR and Other Conductors
- Sag and tension with creep
- Elevated temperature creep
- Inclined span calculation
- Stringing sag calculation
- Graphic output of galloping ellipses and sag curves
- Offset clipping calculation
- Clash module for calculating clearance between conductors and ADSS conductor
- Galloping calculations
- Ruling span variation calculations

## Other SAG10 Features

- Create, save, and open project files
- Create, edit and save custom loading tables
- Automatic creep check
- Easily create, save, and edit Custom conductors
- Add attachments and supported loads to conductors

## Pricing Details

### Single User License - \$5,000

Install and use the Software on a PC and laptop for one Licensee.

### Basic Concurrent License - \$7,500

Install and use by two (2) Licensees on a PC and laptop.

### Standard Concurrent License - \$12,000 (5 Seats)

#### Add a single seat - \$1,500

#### Add 5 seats - \$5,000

Install Software on any number of computers at a single Location but may only be used by a specific number of Licensees at once at that Location based on the number of seats purchased.

### Location Concurrent License - \$20,000

Install Software on any number of computers and use by any number of Licensees at once at a single location.

### Enterprise Concurrent License - \$30,000

Install Software on any number of computers and use by any number of Licensees at any location.

### Annual Maintenance Contract – 10% of license cost

Maintenance includes phone and email support, data updates, and software updates.