2017 PLS-CADD Advanced Training and User Group

Update on Cable Updates

by

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IT'S THE SOLUTION

Introduction

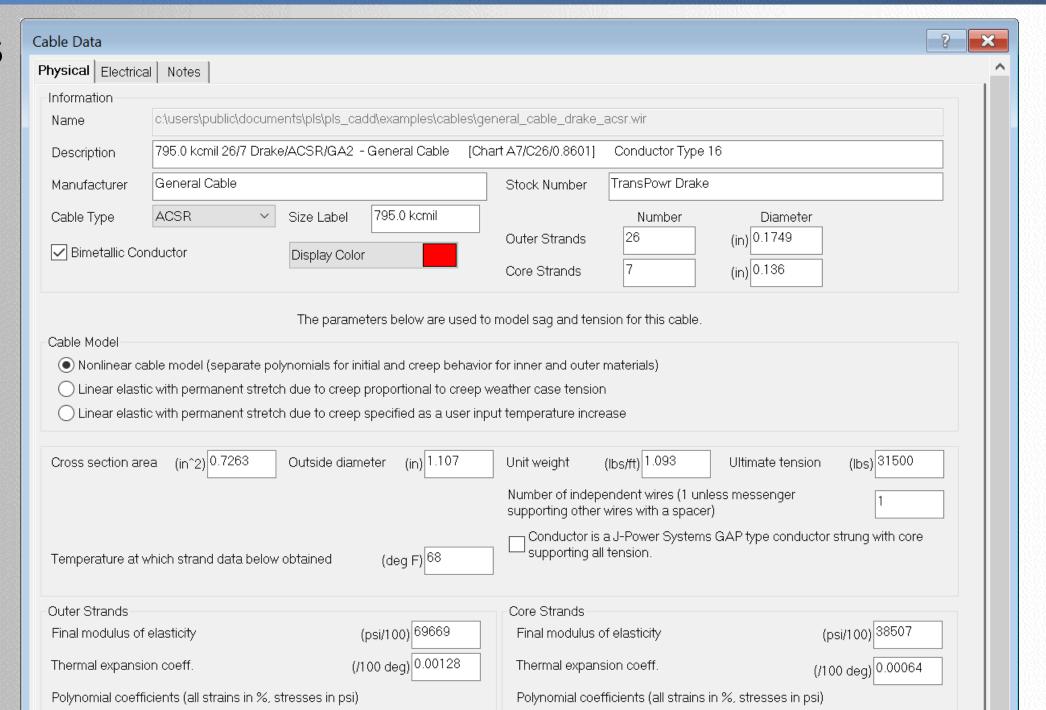
- Cable Files Have Been Totally Revamped
- Availability of Cable Files Online
- Create Bundled Cable Files

Cable Functions

- In PLS-CADD Standard Edition
 - Sections / Cable and Concentrated Loads Files
 - Create New Cable File
 - Edit Existing Cable File
 - Create Bundled Cable File
 - Generate Cable Data Report
- In PLS-CADD Lite
 - Sections / Create New Cable File
 - Edit Existing Cable File
 - Create Bundled Cable File

Attributes

- Three Tabs
 - Physical
 - Electrical
 - Notes



Physical

- Information
 - Bimetallic Conductor Option
- Cable Model
 - See CIGRE Sag Tension Brochure B2
 - Properties
 - Stress-Strain Data
- Bimetallic Conductor Model
 - Refer to Peter Catchpole's Presentation from 2013 ATUG
 - http://www.powline.com/usrgroup/madison13/handouts/Bimetallic Cond uctor Models - Why and What Value.pdf

Electrical

- Line Constants Properties
 - Only used for Electric Calculations
- Thermal Rating Properties
 - Only used for Thermal Calculations

6/13/2017 CIGRE Brochure 60 flow (mews) ms, Inc.

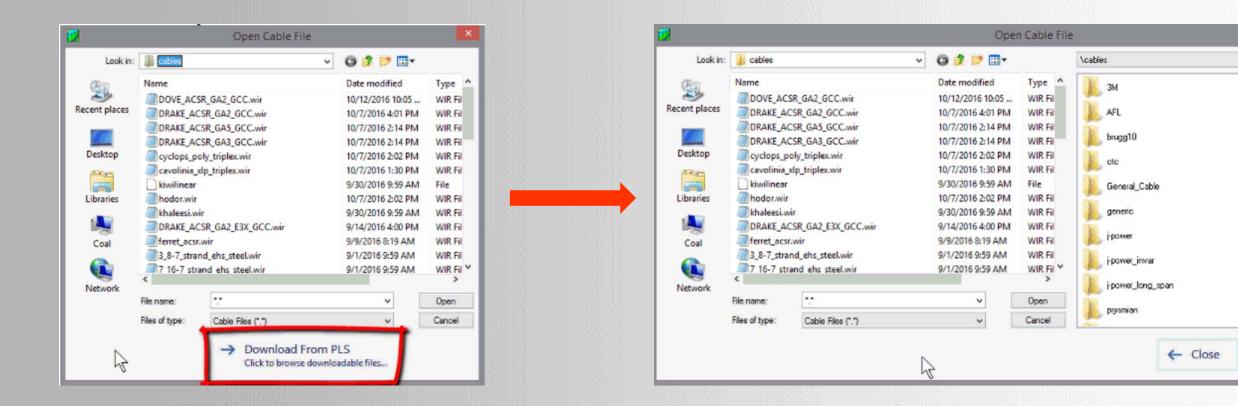
- Obtain from Conductor Manufacturer
- If Line Constants or Thermal Ratings Calculations Will NOT Be Performed on the Cable, These Can Be IGNORED!
- See IEEE Standard 738 or CIGRE Brochure 207 (legacy)

Notes

- The Notes Tab allows you to enter free form descriptions and information about the cable
- You can also copy bitmap images and paste into the dialog which will be saved with the wire file
- Please note that the more images that are added will significantly increase the cable file size.

Cable Files Online

- 6,502 Cables Online!
- See http://www.powline.com/files/cables.html

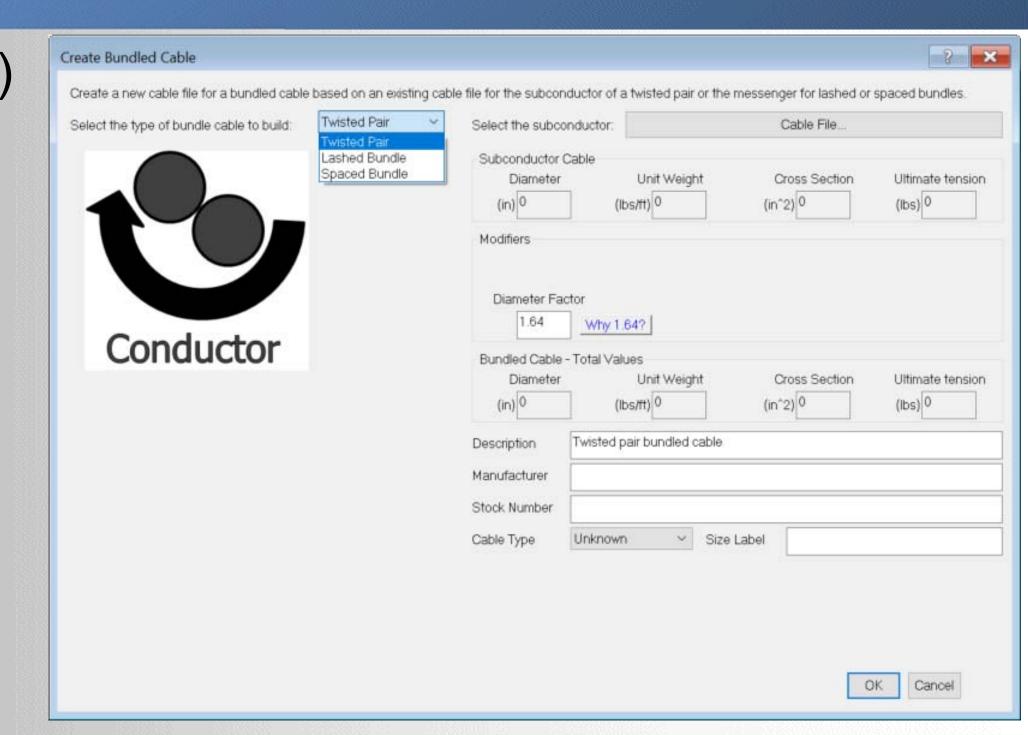


C Reload

→ Back

Create Bundled Cable Files

- Twisted Pair (T2)
- Lashed Cable
- Spaced Bundle



LiDAR Modeling

FAC 008/009

Distribution

Line

Optimization

Advanced Sag & Tension

NESC

Structural Analysis

Pole Analysis

IEC

Materials Management

CENELEC

Transmission

NERC Ratings

Update on Cable Updates!

PLS-POLF

GO95

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Joint Use

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Drafting

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