

**ACHIEVING PROJECT COST SAVINGS  
USING SOUTHWIRE'S CONDUIT FILL**



**ABOUT**

**CUSTOMER**

An Engineering Firm

**PRODUCT**

6-6-6-8 STR CU USE to be installed into 1" Schedule 40 HDPE duct

**CIRCUMSTANCE**

An engineering firm designing a 3-phase 600V cable installation for a new industrial power plant needed to determine the smallest possible conduit size for the installation to reduce project costs, yet remain compliant with NFPA 70 of the NEC®.

**SOUTHWIRE'S CONDUIT FILL CALCULATOR**

This tool can help electricians, engineers, and contractors answer the question,

“What size conduit should I use per the NEC® guidelines?”

The calculator will determine the conduit fill percentages and jam probability for multiple conductors per NEC® guidelines. Simply enter the conduit type and size, then specify your conductors.



**BENEFITS**

OVER

**10%**

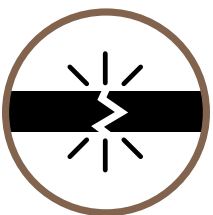
REDUCTION IN  
PROJECT COSTS

**35%**

WEIGHT REDUCTION  
DUE TO A SMALLER  
CONDUIT SIZE

LESS THAN NEC®'S  
MAXIMUM FILL RATIO OF

**40%**



**VALIDATED JAMMING  
PROBABILITY TO AVOID  
CABLE DAMAGES**



SCAN TO  
DOWNLOAD APP

Available online at <https://www.southwire.com/calculators> or through your mobile app store.