



ABOUT

CUSTOMER

Electrical Contractor Installing Cable at a New Industrial Dry Cleaning Facility

PRODUCT

4/0 to 600 Southwire® Machine FLEX® Power Cable

CIRCUMSTANCE

Need for flexible and durable power cable

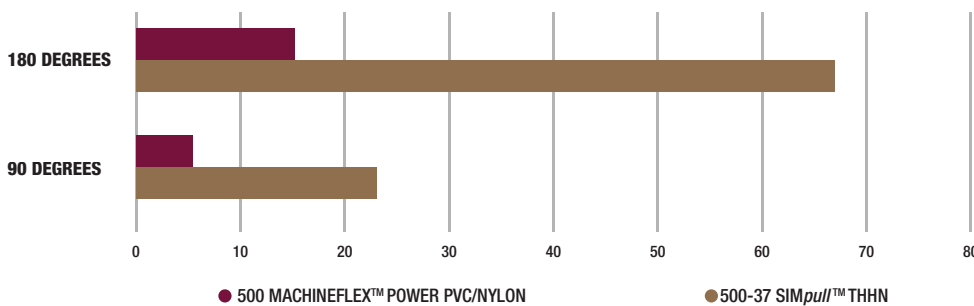
Originally, the customer intended to use CU THHN cable, the traditional cable for this type of installation. However, after determining that there were a number of tight spaces and bends to make during the installation, the customer wanted a more flexible option that carried the same ratings as THHN. It was determined that Southwire® Machine FLEX® Power Cable would be the proper choice for this job.

SOUTHWIRE® MACHINE FLEX® POWER CABLE BEND FORCE

The force required to bend Southwire® Machine FLEX® Power Cable is significantly lower than traditional cables, like THHN, making the cable more suitable to bend around 90- and 180-degree bends.

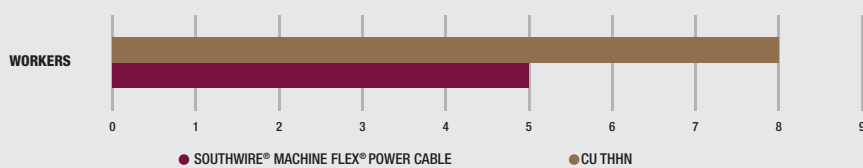
Although a standard product may have worked for this project, Southwire® Machine FLEX® Power Cable was considered a superior option for this project because it has enough stiffness to keep the wire in place yet is flexible enough to make bends in tight spaces easier, offers a natural lubricity, and is easy to install.

SIDEWALL BEND FORCE



FORCE REQUIRED TO BEND THHN VS. SOUTHWIRE® MACHINE FLEX® POWER CABLE

SOUTHWIRE® MACHINE FLEX® POWER CABLE VS. STANDARD CU THHN LABOR SAVINGS



USE OF SOUTHWIRE® MACHINE FLEX® POWER CABLE VS. CU THHN TYPICALLY RESULTS IN A 30% LABOR SAVINGS

BENEFITS



INCREASED EFFICIENCY



INCREASED PRODUCTIVITY



IMPROVED SAFETY