



Southwire®

Southwire® Machine FLEX® Power Cable

The Problem

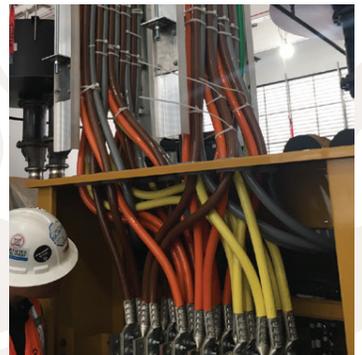
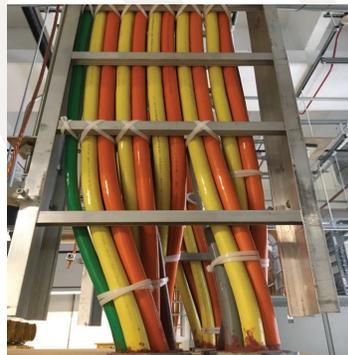
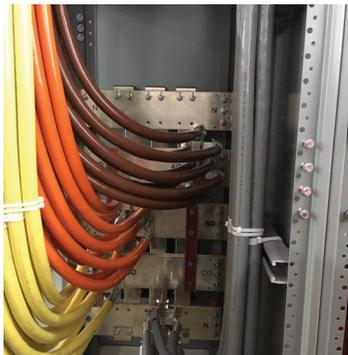
Installing and terminating power cable in tight locations or in applications with multiple bends can cause a significant amount of physical stress on the cable, equipment, and the installer.

Many standard cables, like T90 or RW90, lack flexibility for bending or, like DLO, lack a natural lubricity for pulling in conduit and tray. Installers may be required to improvise with tools or installation methods to properly wire the application which can often result in the cable's insulation being damaged and needing repair or, at worst, scrapping the wiring installation and starting over. This difficult and often repetitive installation also causes increased physical stress on the installer resulting in fatigue which can increase the risk of injury during the install and reduce productivity.

How We Can Help

Southwire® Machine FLEX® Power Cable (rated T90 or RW90) has been designed to help make these difficult installations easier. By combining the insulation properties and pulling ease of T90 with the flexibility of fine stranded copper, this cable helps to increase efficiency and productivity on the jobsite while improving safety. This power cable can be ideal for use in a variety of industrial manufacturing applications including:

- Tight spaces:
 - Motor terminal boxes
 - Generator connection boxes
 - Transfer switches
 - UPS equipment
 - Confined spaces in switchgear
 - Bus bar or breaker lugs not aligned with incoming conduits
- Prefabricated switchgear lineup interconnection power wiring
- Flexible connections such as UPS batteries
- High reliability circuits such as critical power UPS equipment





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Features

- Fine, flexible stranded copper conductors
- Also available with fine, flexible stranded tinned copper
- For use in applications where T90 and RW90 are accepted
- Continuous operation not in excess of 90°C for normal operation in wet and dry locations, 130°C for emergency overload, and 105°C for short circuit conditions.
- 1/0AWG & larger CSA Tray Rated FT4 (RW90 XLPE construction only.)
- RW90 XLPE for use in tray and conduit
- T90 for use in conduit only

Benefits

- Flexible, yet maintains its form for easier handling and installation around bends
- Easier termination in tight areas
- Natural lubricity for easier pulling installations versus rubber insulations
- Easier installs reduce stress on installer allowing for a safer installation and more jobs to be completed
- Received multiple approvals for use in multiple applications
- Smaller bend radius than DLO



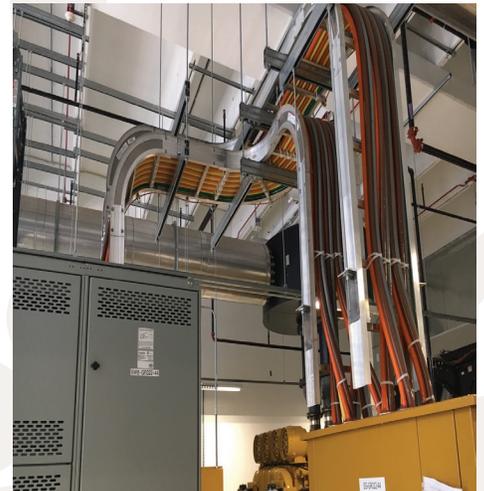
Southwire® Machine FLEX® Power



Southwire® Machine FLEX® Power XLPE RW90

Applications

With Southwire® Machine FLEX® Power cables, users are able to install cable more uniformly, with less damage to the conductor insulation. And, because this cable's design allows enough flexibility to bend and maneuver in tight terminations, yet has enough rigidity to maintain its form, installers experience less personal fatigue often leading to fewer accidents on the jobsite.



For more information on Southwire® Machine FLEX® Power Cable and its applications, please visit [SOUTHWIRE.COM](https://www.southwire.com) or contact FACTORYAUTOMATION@SOUTHWIRE.COM.