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Belden Xtra-Guard™ Flex Cables

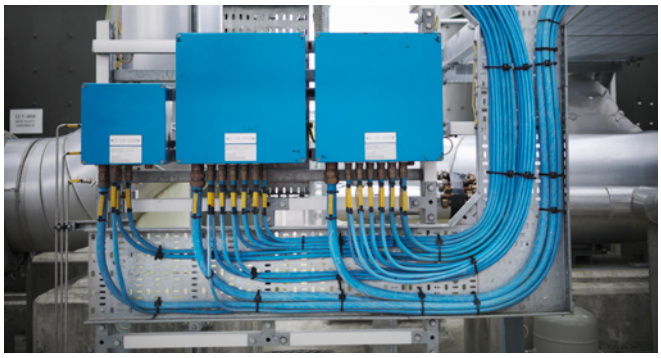


Cable failure in industrial automation leads to lost productivity and costly maintenance. But Belden's Xtra-Guard™ Flex portfolio makes it simple to match the cable to the job. Start with where and how the cable will be installed and how it needs to move—and then choose the best cable for that application.

Belden's high-flex cable designs are engineered to endure continuous bending, rolling and torsional movement. Select constructions also offer foil shielding when added protection from electrical noise is required. The cables are also validated through rigorous performance testing so you can be confident they'll hold up.



Xtra-Guard Flex Control Tray Cable (TC-ER)



A TC-ER-rated flexible control cable that simplifies tray-based industrial installations, including runs from cable trays directly to equipment. Designed to withstand demanding plant conditions, such as exposure to oil, chemicals and abrasion.

Type of Motion:

- Limited or occasional flexing at equipment connections
- Service loops, machine-entry points and installation bends

Applications:

- Control and power connections routed in cable trays
- Connections from cable tray to motors, drives, control panels, sensors, actuators and valves
- Fixed equipment

Xtra-Guard Flex Control Cable



A flexible control cable designed for dependable power and signal transmission where regular movement is part of normal operation. Rugged jacket options protect against exposure to oils, chemicals and abrasion.

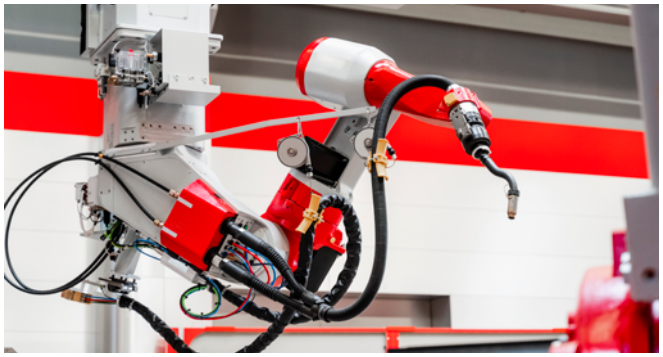
Type of Motion:

- Repeated flexing as equipment components move
- Bending and routing through tight spaces and moving assemblies

Applications:

- Motion control systems
- Automated machinery and moving assemblies
- General robotics
- Control and power connections for dynamic equipment

Xtra-Guard Flex Continuous Torsional Cable



A torsional cable that protects conductors from internal stress created by repeated twisting. Optimized stranding and rugged jacket options maintain reliable cable performance in the presence of oil, chemicals and abrasion.

Type of Motion:

- Continuous twisting and rotation around the cable axis
- Repeated torsional movement in tight routing paths

Applications:

- Robotics
- Automated tooling
- Rotary tables

Xtra-Guard Flex Continuous Bending Cable



A continuous-flex cable for high-cycle applications where cables repeatedly bend and roll. High-flex conductor designs and rugged industrial jackets resist oil, chemicals and abrasion while supporting dependable connectivity.

Type of Motion:

- Continuous back-and-forth motion
- Repeated bending and rolling travel, cycle after cycle

Applications:

- Gantries
- Pick-and-place equipment
- Cranes
- Fast-cycling machine tools

Belden Xtra-Guard Flex Cables are backed by in-house experts who understand the needs of industrial automation and the realities of dynamic equipment so they can help you make the right choice and maximize the life of your cable investment.

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