



Cable Management for Heavy Duty Applications

Innovative programs and products
for OEM applications

PANDUIT[®]

infrastructure for a connected world



Panduit is your wire management solutions partner for the harshest, heavy-duty applications

Panduit provides expertise, services and products for:

- Optimized wire management design
- New product development
- Problem solving and process improvement

Ideally suited for applications, including:

- Heavy Truck
- Construction Equipment
- Agricultural Equipment
- Bus
- Specialty Trucks, such as Dump Trucks, Concrete Trucks, Utility Trucks

Draw on our expertise to help you reduce wire management costs and hassle!



Expertise to engineer profitability

Engineers face cable management decisions impacting the performance, quality and migration plans of their vehicle platforms. Panduit is equipped to help. Let our expertise and robust heavy duty cable management products help you lower total installed costs.



Consultative Engineering

For the many design decisions and application issues encountered, help is needed to identify the cable management products best suited for each application. Panduit provides consultative engineering services to engineers working on Truck, Bus and Heavy Equipment applications. For qualified applications, Panduit offers an onsite Application Audit Program which takes the consultative engineering feedback directly to your OEM application.



New Product Development

Engineers encounter unique, wire harness design challenges requiring a new part design or modifications to existing designs that have specific performance and target pricing objectives. For qualified applications, Panduit is offering a quick response program on new part design and part modifications, which includes application assistance and rapid prototyping for Truck, Bus and Heavy Equipment applications.



Tooling Support

In addition to a broad range of application specific heavy duty cable management products, Panduit also offers installation tooling and tooling services to meet the highest OEM specifications. Panduit also has a broad range of programs including a comprehensive Tooling Program which integrates tool calibration and servicing, all the way to a la carte tools and products to build your own tooling solution.



Cable Ties

Panduit cable ties are designed to exceed industry standards for use in high-vibration areas. Available in a wide range of materials, styles and sizes to meet your internal and external temperature applications.

- External tooth design on select styles for improved abrasion-resistance to wires, cables and hoses
- Metal barb styles for added tensile strength and increased bundle diameter variations
- Push mount and fir tree barb style ties for specialty applications
- Unique designs, such as wide strap and dual-clamp ties, improve reliability and productivity



Cable Accessories

Mounts and other devices help secure wire, cable and hose bundles – making installation more efficient and cost effective.

- Installation styles, such as push barb, stud mount and bolt/screw, help tailor cable routing and management
- Adhesive options for mounting to surfaces in interior and exterior applications
- Most styles are available in a variety of materials for high temperature, UV resistant and general purpose applications



Stainless-Steel Cable Ties

Stainless-steel cable ties can bundle, fasten and secure cables and hoses that are exposed to corrosive or harsh conditions. Ties are built to last, helping reduce periodic rework.

- Self-locking cable ties enable faster installation
- Fully coated ties help prevent corrosion between dissimilar metals
- Smooth surfaces and rounded edges protect the cable bundle and the installer for improved safety, productivity and reliability



Cable Tie Hand Tools

A full line of lightweight, ergonomic hand tools are available to install cable ties from miniature through heavy cross sections.

- Designed to speed installation for lower installed cost
- Flush tie cut-off helps limit exposure to sharp edges
- Supported by Panduit, an industry leader in reliability and performance



Panduit application audit program improves OEM designs and lowers total installed cost through:

- Onsite application review ranging from a one hour walk through to a full audit
- Comprehensive recommendations report provided

*For qualified OEM applications only



Case Study

Problem: High annual spend on cable-tie installation tooling due to maintenance and tool calibration issues.

Solution: Panduit supplied a comprehensive cable tie, installation tool program that included tool maintenance, rebuilding, and certified calibration to minimize downtime in bundling operations.

Customer Profile: OEM Heavy Equipment Manufacturer



Case Study

Problem: Needed flexibility for easier installation of cable ties on heavy equipment.

Solution: Panduit quickly developed a custom cable tie that provided improved flexibility and easier installation.

*Customer Profile:
Construction Equipment
Manufacturer*



Cable Identification

Complete labeling systems – including time-saving labeling software, easy to use printers, high-end metal marker plates and heat shrink labels – help minimize installation time and ensure high-quality wire and cabling identification in demanding environments.

- Software simplifies label creation
- Outdoor rated and water-resistant label options
- Handheld and desktop printers allow for fast and high-quality label production
- Custom, imprinted cable ties available in multiple styles, sizes and colors



Abrasion Protection

A broad range of abrasion protection products for wire, cable and tubing meet your unique application requirements and today's most demanding safety standards.

- Braided, expandable sleeving fully covers wires while allowing heat dissipation
- Spiral wrap creates bundles to provide protection
- Heat-shrink tubing insulates and protects larger cables



Power Connectors and Grounding

Copper and aluminum compression connectors and mechanical connectors provide critical electrical grounding and reliable wire terminations.

- Compression and mechanical lugs and splices designed for demanding power applications



Terminals and Ferrules

Fast assembly and reliable performance for wire termination needs.

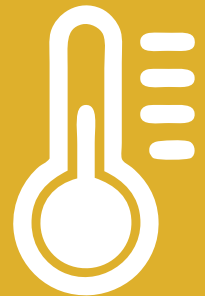
- Terminals available for a variety of applications, wire sizes from #26 – 2 AWG



Panduit tooling program reduces tool purchase and replacement costs through:

- Certified Tool Calibration
- Blade Changing Program
- End of Life Replacements

Ask how much you can save by utilizing this new program.



Case Study

Problem: Bundling application in High Temp (115C) Environment

Solution: Conducted an Application Assessment and selected a more cost effective material blend that met temperature requirements.

Customer Profile: OEM Heavy Truck Manufacturer



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