



**ESSENTRA**  
COMPONENTS



DESIGN  
ENGINEERS  
APPLICATION  
GUIDE



# CABLE MANAGEMENT

SMART SOLUTIONS FOR  
YOUR APPLICATION

[www.essentracomponents.com](http://www.essentracomponents.com)

ESSENTIAL SOLUTIONS

DELIVERED



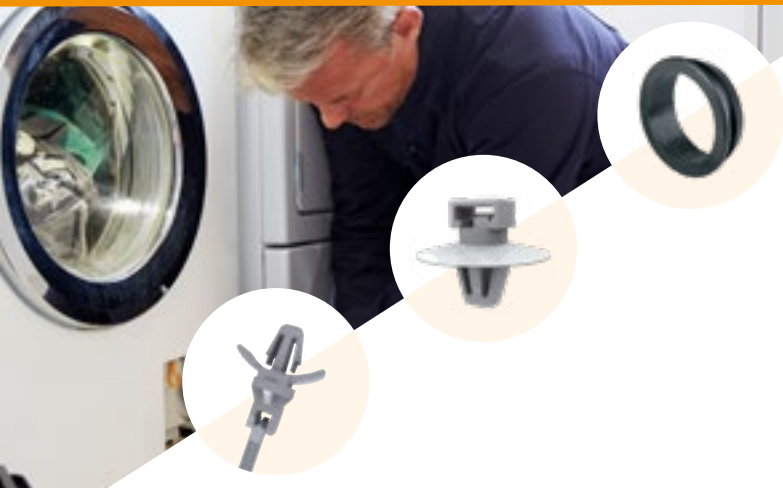
# KEY APPLICATIONS

How do you manage and protect the cables your design requires?

We help you take on the challenges you face with an extensive range of cable management solutions, designed to make your design come to life and last longer.

## CONSUMER ELECTRONICS & APPLIANCES

WHITE GOODS | COMPUTERS | TELEVISIONS



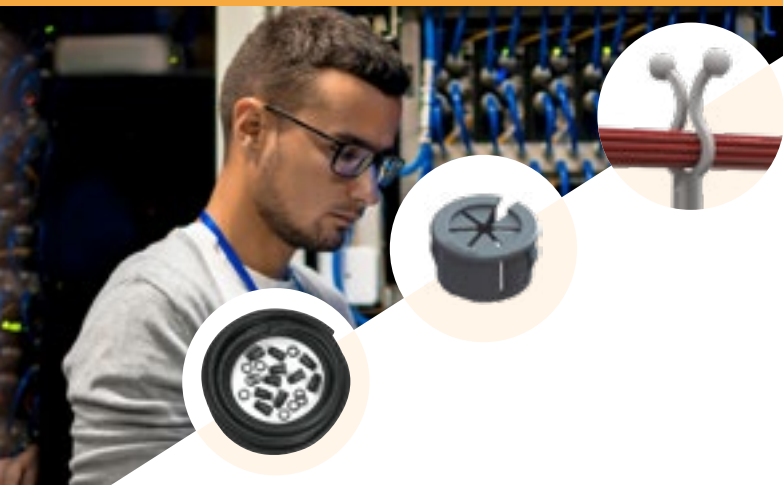
While aesthetics matter to the consumer market, cabling solutions also need to be easy to install for efficient production.

Enhance your latest design project with:

- **Quick-fit grommets** – snap neatly and easily into place. Stands up to diverse temperature ranges
- **Cupped base cable tie holders** – saves space and protects fitting holes while easily coping with high temperatures
- **Arrow head cable ties** – eliminates the need for separate cable holders. Accommodates bundles before or after mounting

## DATA CABINETS

RACK CABINETS | SERVER ROOMS



Organise your cables and make them easy to access. With cables safely out of the way, you can also prevent accidents and the loss of data.

Give your design smart solutions:

- **Twist ties with snap mount** – easy to use and ideal when space is limited
- **Cable bushings** – push-in design easily allows bushing to be assembled into holes that already contain a bundle
- **Conduits and wraps** – many styles, materials and sizes for any application

## OUTDOOR ENCLOSURES

TELECOMMUNICATION BOXES | GENERATORS | HVAC



Weather-proof solutions with guaranteed ingress protection – just what your outdoor enclosure needs to protect your cables and prevent costly repairs.

Protect your design project's cabling with:

- **Nylon cable glands** – secure cables to your equipment and keep them tidy. IP68 rated and available in different thread options
- **Cable clamps** – Collate cables to keep them in place, neat and secure
- **Cable ties** – tough, high-quality solutions available in a wide range of materials, sizes and colours



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CAD



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AUTOMOTIVE

CARS | COMMERCIAL VEHICLES | TRAINS



The perfect solutions for keeping automotive electrical wires bundled and protected from hot components and sharp edges.

Keep your design's cables safe and secure with:

- **Heat-resistant cable ties** – cost effective, strong, heat stabilised and flame retardant
- **Clips and clamps** – keep wires from tangling and moving around in vehicles
- **Grommets** – easy-to-install protection from the sharp edges of unfinished sheet metal that can damage wires

# CHOOSING THE RIGHT CABLE MANAGEMENT SOLUTION

## 1 WHY MANAGE YOUR CABLES?

- **Protection.** To maximise operational time and minimise repairs from damage.
- **Management.** To guide and strategically route cables around your application.

## 2 CONSIDER YOUR ENVIRONMENT

- **Non physical.** Exposure to solids, liquids and gases? Look for the relevant IP rating.
- **Physical.** Direct hazards such as abrasion and kinking? Consider products that both protect and guide your cables.

## 3 UNDERSTAND YOUR INSTALLATION REQUIREMENTS

Consider:

- Panel thickness
- Hole diameter
- Mounting surface

## 4 CONSIDER THE LIFE OF YOUR SOLUTIONS

- **Semi-permanent versus permanent.** If permanent, consider opting for a fitting method that is not adhesive based that can clip onto your application.

## 5 IDENTIFY COLOUR CONFORMITY

- Being able to easily identify cables can speed up repairs and help to maintain efficient operations.

Learn more about managing cables with resources, guides and more on Essentra Components Knowledge Centre. Visit [www.essentracomponents.com/en-us/news/solutions/wire-and-cable](http://www.essentracomponents.com/en-us/news/solutions/wire-and-cable)



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For more advice about **cable management**, please call us on **800 847 0486**  
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