Adapting to your workspace needs

Today’s office place is constantly changing.

All too often there is a need to revise office layouts, accommodate extra workstations and maximize any available space, and usually at short notice.

Meanwhile, the need for power and data communications in the office space has never been greater. However, making changes to a fixed wiring installation is expensive, time consuming and often inconvenient.

Ideally, the power and data infrastructure should be highly adaptable and flexible to meet every conceivable office need.

And that’s where a soft wiring option can provide you with a complete practical solution. Utilising cable ducting, desk and floor outlets, a soft wiring solution provides convenient and accessible power and data to isolated workstations and perimeter walls without messy and unsightly cables to look at or trip over.

Alterations and additions are easy to achieve as the installation can be reused over and over, saving you money and downtime.
One of Australia’s leading providers of soft wiring and cabling management solutions in Australia is Moduline.

Established in 1965, Moduline’s range of cable ducting and management systems can provide every customer with a complete integrated offering.

Moduline’s latest offering is M3, a new range of flexible wiring solutions that includes soft wiring accessories, busbar trunking and a range of unique power and data accessories with customised solutions - perfectly suited to today’s office workspace.

M3 is three ranges in one, designed to provide you with the ultimate soft-wiring solution:

1. Moduline Soft Wiring Couplers, Leads and Accessories
2. Moduline Canalis Busbar Trunking System
3. Moduline Cable Ducting and Desktop Accessories.

Photo courtesy of Woodhead
Empowered by M3

1. Moduline soft wiring – the best technology available

A great power and data wiring installation begins with the best technology available. For Moduline, our soft wiring architecture is based on the world standard Wieland GST ranges of installation couplers, leads and accessories.

Moduline in conjunction with Wieland were the first to gain approval and compliance with AS/NZS 61535.1:2003 (ISO 61535.1) worldwide for the GST range at twenty amps. Moduline proudly offers this within its product range and give customers access to the vast range of compatible products.

The Wieland connector system guarantees error-free contact even in the most unfavourable environmental conditions. Extension cables are available in one to eight metre lengths and these simply connect together for you to plug’n’play any electrical or communications device.

2. Moduline Canalis Busbar Trunking – the backbone of your soft wiring system

It’s a myth that soft wiring cannot provide the massive power requirements of a modern commercial office. For serious commercial power distribution, Moduline Canalis Busbar Trunking is the solution. Typically laid under a raised floor system or suspended above the ceiling, Canalis offers three phase power in 40 or 63 amps. Using unique tap offs with phase selection to access power, a balanced power distribution solution is achieved.

The tap offs can be safely hot swapped or unplugged while the system has power available giving great flexibility to the end user.

The system is available complete with a range of lengths, end feeds, flexible couplers, etc. and a range of mounting and installation accessories that makes installation simple and efficient. Canalis has an IP54 rating that makes it ideal for installations in...
Moduline specialises in the design, manufacture and installation of cable and ducting and associated components in sheet metal, marviplate, aluminium and plastic. Moduline also manufactures a complete range of accessories for the management of electrical data and telephone services that includes: floor access boxes, pedestal poles and service columns, all available in an attractive range of colours, styles and finishes.

The Moduline Soho range of ‘pop up’ power outlets are suitable for any office environment. Neat and innovative, these products provide a discreet and tidy appearance when not in use. Then when required, the outlets spring into action for quick and convenient access to power, data, voice and video/audio outlets, touchscreens and more. These are ideal for boardrooms or any office environment.

Moduline desktop accessories are available in a choice of materials and colours such as stainless steel or aluminium all of which can be bench or desk mounted.

Areas that have extreme conditions such as under raised floors, in conjunction with heating and ventilation systems and where fire sprinkler systems are installed.

Canalis systems are also available for lighting power and lighting systems as well as high amp systems for industrial power requirements.
How it all comes together

There is simply no limit to the soft wiring configurations you can have. Moduline can provide custom solutions to suit your specific needs including: integrated office partition solutions, power rail systems and TV signal distribution to name a few. Here are a few of the distinctive features offered by an M3 solution:

**Fast start-up**
Your installation can be as simple as connecting your work station into a starter socket mounted on a skirting duct or on a wall. Simply plug in and play to access power at any of the pre-determined tap-off points built into the system.

**Under floor power**
Alternatively, you could design the extreme flexibility into your solution that the complete M3 solution offers. Using the Canalis Busbar Trunking mounted under a raised floor feeding Moduline Floor Outlet Boxes. Soft wiring connects your workstation or office equipment to floor boxes and you have the beginning of the ultimate M3 flexible solution.
Power tower
Choose from a range of integrated desktop products including flush desk outlets, pull-up towers, cable trays and data solutions.

Fast installation
With Moduline M3, there is no waste. Our soft wiring system gives both installers and end users an efficient and complete flexible solution to their commercial and other wiring requirements.

Futureproof wiring and cabling
When it comes to making future alterations to the system it’s simply a matter of plug’n’play and adding on to the system wherever required.

Further savings are realised when the entire office configuration is revised or cleared for new tenants as the entire M3 system can be removed and reused.

This significantly reduces rewiring and material costs (especially copper) for the investor and new occupants.
Maximising energy efficiencies

Nearly every new office today incorporates some level of intelligent lighting control comprising anything from light level sensors, movement sensors, zoned lighting, scene setting and time clocks. To address these requirements lighting manufacturers have agreed on standardising lighting protocols. One of the most internationally recognised lighting protocols by manufacturers and authorities is the DALI (Digital Addressable Lighting Interface) lighting control protocol IEC 62386.

A Moduline M3 Five Pole Soft Wiring System for DALI offers a quick and efficient method of connectivity and installation of light fittings. In the past, installers would normally install these light fittings with normal fixed three core double insulated TPS cable for power, plus another twin core low voltage cable for interface control. Our five pole system provides for all of these requirements in one convenient five core cable providing power and control. We also provide our connectors to leading lighting manufacturers enabling this system to be widely available.

The end result is an eco friendly DALI lighting system that has the inbuilt flexibility of our soft wiring system. A flexible and economical solution to suit the end user’s needs.

Advantages of a DALI system for lighting manufacturers:
- Only one connector or flex and plug to fit to each luminaire
- Low installation cost - saves time in the manufacturing process.

Advantages of a DALI system for installers:
- One socket solution for installation
- Simple and easy to install
- Unique key-way sockets indicating DALI circuits
- Easy disconnection and re-connection of luminaires for relocation and maintenance
- Easy installation of luminaires, emergency fittings and exit signs on one system.
Clipsal accessories and data complete the look

Moduline is a division of Clipsal Australia, and has the full backing of Australia’s largest manufacturer of electrical accessories. Moduline M3 solutions are fully compatible with Clipsal’s comprehensive product range. M3 offers you total integration with Clipsal 2000 Series, C2000 Classic, Slimline as well as Saturn 250V power and data communication products.

This offers a unique solution that gives you access to leading edge designs in switchgear that are respected as the industry standard. The freedom and flexibility to choose any combination is yours no matter how simple or complex your power requirements are. Clipsal is also involved in the Synergi Solutions Programme. This opens the door to a world of matching accessories to Clipsal’s Saturn range of products including door handles, taps and paint finishes.

Clipsal Titanium is the name behind a comprehensive range of stylish and low profile data communications cabinets and accessories. These award winning products have been designed to complement contemporary office designs and fit in with open plan layouts rather than be relegated to a service room.

Clipsal’s flagship product for the commercial sector is the C-Bus control and management system. C-Bus provides intelligent lighting control and superior energy management solutions. It is simple to use and easily adapts to future changes. Its track record of saving thousands of dollars in commercial developments speaks for itself. Combined with a Moduline M3 solution, not only will your office save money but will deliver energy efficiency goals and contribute to saving the environment too.

By choosing the Moduline and Clipsal brands you also get the full backing of Schneider Electric, the world’s biggest electrical company. Schneider Electric’s many brands also include TourAndoverControls (TAC), Citect Real Time Intelligence Software, Efficient Energy Systems and more. When you specify a Moduline M3 solution, you are in fact tapping into a vast network belonging to the world’s leading specialist in power, control and energy management. You can’t go wrong.
Total connectivity

Today’s boardrooms and workstations need to accommodate a wide range of technology needs. PowerPoint presentations, video conferencing, internet meetings and training seminars are all but commonplace in today’s office environment. However, identifying the correct audiovisual and communications ports can be time consuming and frustrating for staff, particularly when they are unfamiliar with the equipment they are attempting to plug into.

That’s where the Epic Organiser provides staff members with one total port to dock their laptops, MP3 players, digital cameras, DVD players and more. No longer do staff have to unplug cables from the back of televisions and computer equipment. Epic Organiser is conveniently located in desk and boardroom areas providing staff with easy access to any combination of telephone, data, USB and AV ports that you choose. Epic’s plug’n’play accessibility will save you time and minimise technical issues in your work environment.

Environmental awareness

The beauty of a Moduline M3 soft wiring installation is that it is simple to install and provides access to power, data and power when and where you need it. There is no wastage.

Environmental concerns are a major issue at present and M3’s green credentials are impressive. Canalis Busbar Trunking is manufactured from halogen free material as standard while halogen free Moduline softwiring products are available as an option. All M3 products are reusable.

Moduline products are manufactured in accordance with the RoHS directive 2002/95/EC (restricting the use of certain hazardous substances in electrical and electronic equipment) - this is not compulsory, however Moduline values the benefits of this directive and has voluntarily taken part.

A nationwide service network

The procurement of an electrical and data package for offices and work places can be difficult to manage.

However, Moduline’s national distribution network is second to none. Moduline has an extensive service and sales network with the personnel to meet supply deadlines and provide the necessary expertise to assist with the implementation.

Moduline offers you one solution for all of your cable distribution needs with flexible soft wiring through to your desktop. If you are at the planning stage of designing a new office or refurbishment, please do not hesitate to contact a Moduline Technical Representative to provide the support you need for your commercial project.