

# Flexo

## Introduction to Flexo



## Innovation Solutions



- > Flexo Products have been used throughout the UK rail network for over thirty years and their reliability is unsurpassed.
- > Prysmian's dedicated team of engineers has experience over many years in providing innovative design solutions for varied specialist applications in the Railway Industry.
- > Based on pre-terminated, moulded technologies, these designs have only one aim: To provide simple, fast-assembly electrical connection systems which reduce installation time and cost whilst maximising system safety and reliability.
- > No matter how complex the connections, Flexo products are designed and manufactured to allow fast installation whilst eliminating the possibility of connection error, and ensuring that the right connections are made first time, every time. So that when vibration, ice, dust, water, abrasions or extreme heat can cause other systems to fail, FLEXO products will provide lasting and reliable connections.

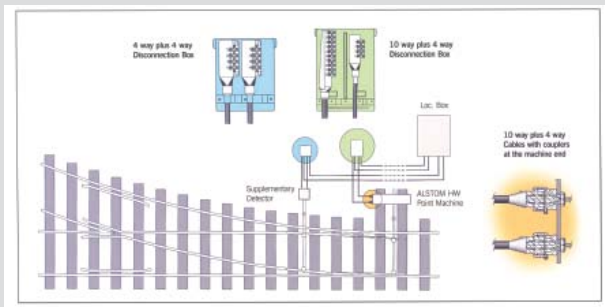
- > Innovative product design, proven quality assurance procedures and high performance materials technology have enabled us to seriously address the special needs of the rail industry:

- Solve complex wiring problems
- Provide simplified assembly solutions
- Ensure connections are correct no matter how complex or specialised the application
- Design and supply products manufactured from the latest materials
- Ensure cost effective installations

- > What can we do to solve your connection problems?

Call us now on **0845 767 8345**

## Specialist Products for the Rail Industry



> The FLEXO product portfolio is wide ranging and varied, each design having its origins in the need to meet a particular customer requirement. Many are now “standard” solutions to certain connection applications and include:

- Pre-terminated track connection cables
- Trackside disconnection boxes
- Pre-terminated detection system cables
- Points heating system
- Rail vehicle couplers
- Battery charging leads
- Cables systems for tunnel lighting
- Points Machine Couplers

## Electrical Connection Case Study



- > Traditionally, the standard connection procedure at SCNF and RATP for the French Paulve detector involved cutting, stripping, crimping and terminating on the tracks. This process was expensive in terms of both cost and time. Engineers working to stringent time constraints in adverse weather conditions meant that there was always the possibility of error leading to potentially disastrous consequences.
- > The solution, our moulded paulve termination, has proved highly satisfactory in terms of practicality and cost efficiency, the FLEXO four point connector is designed to be quickly fitted, fixed and tested...right first time, every time.

## Modular Lighting System

### For Tunnels and Other Applications

FLEXO modular power cable systems have integral socket outlets, factory produced throughout the length of the mains supply cable. This allows simple plug-in connections that remove the need for junction boxes and time consuming on-site glanding and termination. The plug leads can be connected to the lights prior to their being secured. The main cable system, with integrated sockets, supplied on standard drums can then be installed as a cable. When installed, the sockets align with the light fittings and connections are made by a simple plug-in action.



### Benefits

COST	Installation savings up to 30%
SPEED	Typically 250 metres can be installed in only 90 minutes
SKILL	Reduced skill requirement for plug-in connectors
SIMPLICITY	Maintenance free, simple light fitting replacement
FLEXIBILITY	Selectable phase loading easily achieved
ACCURACY	Right first time, every time, guaranteed
RELIABILITY	Factory produced and tested to ensure highest quality connections

