

Rail Solutions





Rolling Stock

- ▲ Corrugated non-metallic flexible conduits
- ▲ Flexicon Ultra™ fittings
- ▲ Cable strain relief fittings
- ▲ Metallic coated flexible conduits
- ▲ Flexible conduit bespoke accessories
- ▲ Cable tray
- ▲ Metal trunking



Connectivity & lighting



Auto couplers



Intercar jumpers



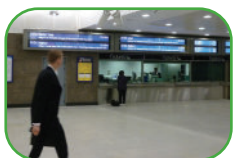
HVAC above carriage



Bogies / under carriage

Infrastructure

- ▲ Flexible conduit systems - metallic & non-metallic
- ▲ IP4X metal trunking solutions
- ▲ Cable management systems
- ▲ Mechanical support systems
- ▲ Steel wire cable tray
- ▲ Curved bracket applications for tunnels
- ▲ Bespoke assemblies
- ▲ Channel & fittings, available in a range of materials & finishes including the Atkore Defender™ high resistance finish ideal for harsh environments



Ticket machines & barriers



Lifts, escalators & lighting



CCTV & passenger info



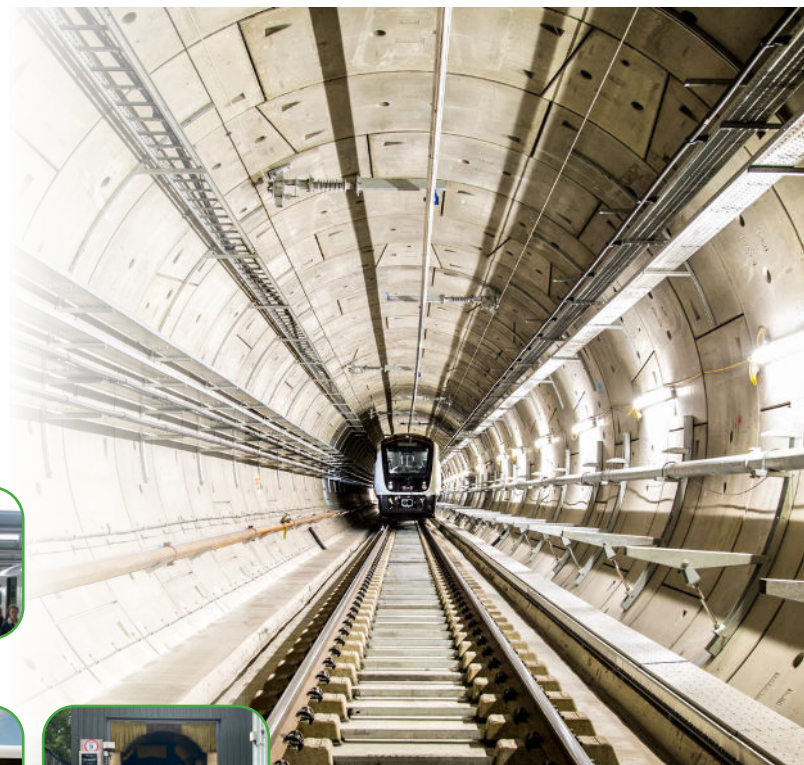
Trackside signal & power



Crossings & tunnels



Maintenance depots



Quality Assured

By understanding the technically demanding challenges posed by the rail sector, Atkore is fully equipped to support you with improved procurement efficiency and specification of quality product for your railway system.

Approvals & Compliance

- ▲ IRIS audited & RISQS approved
- ▲ TFL, London Underground & Network Rail PADS approved
- ▲ NR/L2/SIGELP/27421 and NR/L2/SIGELP/27422 compliant for Class II signalling power distribution systems for new & existing equipment upgrade
- ▲ IP, fatigue, endurance and shock & vibration tested to EN 61373 Cat 2 and fire safety to EN 45545-2

Associations & Affiliations

- ▲ Members of rail industry associations including RIA and Rail Forum
- ▲ Designed, tested and manufactured to meet stringent UK and European standards

Technical Expertise



- ▲ Technical support
- ▲ Off-site manufacturing services
- ▲ On-site measures during engineering working hours

Bespoke Solutions



- ▲ Bespoke cable management solutions
- ▲ DfMA solutions to increase on-site productivity and enhance health & safety benefits

Comprehensive Range



- ▲ Wide product range & specialist solutions
- ▲ Materials & finishes to meet specific product design life criteria

Corporate Social Responsibility



- ▲ Full traceability using Quality Batch Numbers (QBN's)
- ▲ Low carbon emission solutions





About

Products: Atkore Defender™ Cable Management & Curved Channel Cantilever Arrangements

Previously known as Crossrail, the Elizabeth Line spans over 100 kilometers, connecting Reading and Heathrow in the west with Shenfield and Abbey Wood in the east of London. Now fully operational, the line can handle up to 200 million passengers annually, for faster and more efficient travel.

Challenge

As the project was mostly underground, the cable management systems and materials specified needed to withstand harsh environmental conditions, including moisture, vibration, and potential chemical exposure. Additionally, the system specified had to be as swift and efficient as possible, to meet tight schedules and underground tunnel spatial constraints.

Elizabeth Line Project

Location: London
Contractor: Crossrail
Date: 2015



Solution



To solve the potential problem of harsh environmental conditions, Atkore Defender™ finish was applied, significantly extending the cable management systems lifespan in comparison to standard Hot-Dip Galvanised products. Ultimately, ensuring infrastructure remains in optimal condition, reducing maintenance and downtime. Atkore also supplied over 35,000 pre-engineered curved channel cantilever arrangements, specifically designed to facilitate faster installation, whilst Flexicon product was used for the platform edge screens. Overall, Atkore's solutions allowed smooth project progression to meet critical deadlines.



*Atkore Unistrut is proud to have contributed to this groundbreaking project. Through our **advanced cable management solutions** and **innovative installation methods**, we have provided lasting **value** and **efficiency**, ensuring the line will serve London for years to come.*



Richard Good - Technical Director - Atkore UK

For more case studies visit our website...

Behind the Brand

Who are Atkore?

With over a century of powering and protecting the world around us, Atkore has a deep understanding of the high demands of the various industries and applications we serve. Our portfolio of industry-leading brands, coupled with our breadth of products and solutions, brings you exceptional value.

Turn-Key Solution

Our market leading brands of Atkore Unistrut, Atkore Marco, Atkore Vergokan and Atkore Flexicon provide customers with a one-stop-solution to manage and protect cables.

Our Mission

Our mission is clear and simple:
To be our customers' first choice by providing unmatched quality, delivery, and value based on sustainable excellence in strategy, people, and process.

Atkore Advantages

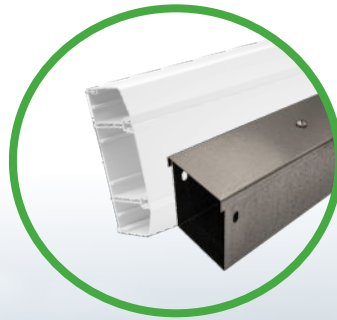
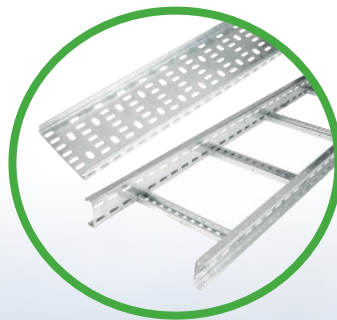
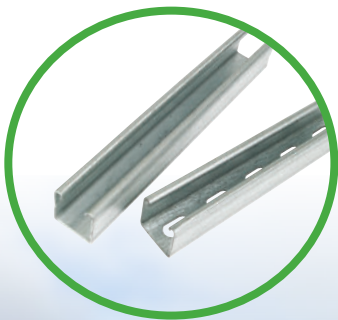
- ▲ Unrivalled support: Sales & technical guidance
- ▲ Accredited CPD training programmes
- ▲ Toolbox talks by our expert team
- ▲ Engineer site visits & measures
- ▲ Cost-effective customised & pre-fab solutions

Atkore™
Unistrut

Atkore™
Marco

Atkore™
Vergokan

Atkore™
Flexicon





**BUILDING BETTER
TOGETHER**

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Atkore

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