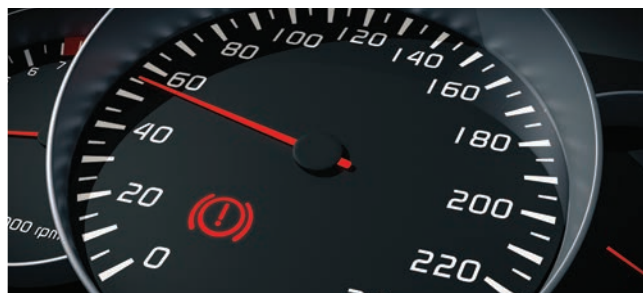
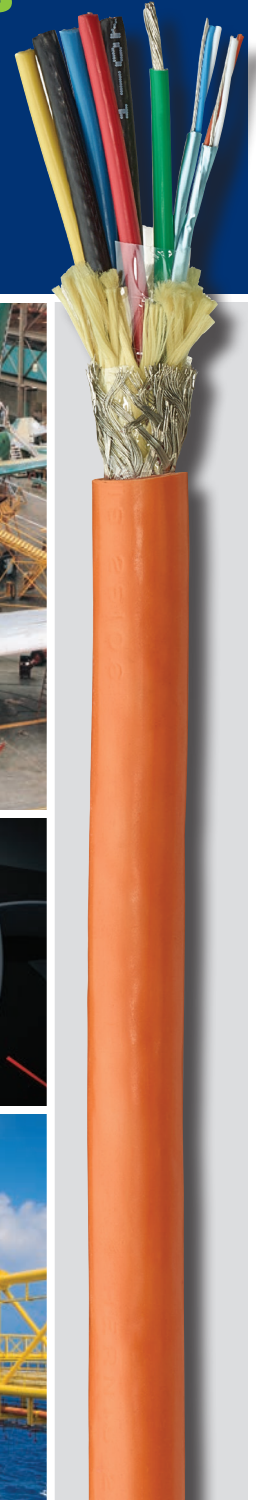


# Brand-Rex High Performance Cabling

Solutions for Mission Critical Applications  
and Extreme Environments



# High Performance Cabling Solutions

## Our Expertise

Leviton designs and manufactures **high-performance copper and fibre optic cabling products** for extreme deployments, hazardous conditions, and demanding applications.



## Our Capabilities

Our cables are **built to last** and designed to stand up to severe environments, substances, and conditions, including:



Oil



Fluid



Chemicals



Solvents



Flame

## Our Promise

Leading organisations around the world **rely on Leviton**. Explore your customised cabling options at [Leviton.com/HighPerformance](https://Leviton.com/HighPerformance)

## Our Markets

- Automotive
- Industrial
- Aerospace
- Rail and Mass Transit
- Defence
- Marine
- Energy



Leviton specialises in ultra-high temperature resistant cables with superior fire performance.

Our fire resistant optical cables can withstand **90 minutes of 750°C heat**, making them ideal for mission critical applications.

We protect our cables with **high-temperature performance** features including:

- Flame retardant construction
- Superior insulation and sheathing materials
- Low smoke emission
- Low halogen emission

## Our comprehensive programme of quality assurance includes:

- Failure analysis
- Analytical assurance
- Advanced material analysis
- Accelerated ageing simulation
- Product accreditation and approval



## Our Applications

- High temperature environment sensors
- Harsh location CCTV
- Underfloor heating
- High end audio
- Gas ignition systems
- Geophysics measurement
- Fuselage harnesses
- Track signalling
- Battlefield communication
- Marine control solutions

# Our Markets



**Automotive**

We are a world leader in the highly specialised market of high-temperature wiring solutions for the automotive industry. Our commitment to ISO/TS 16949 standards related to brake system and oxygen sensor manufacture protects drivers against defects and component variations, ensuring safety and reliability throughout our product line.

#### Applications:

- Lambda sensor
- Brake wear sensors
- Car seat heating elements
- NOx sensor
- ABS sensor
- High temperature sensor
- Urea/Adblue Efficiency

#### Product Lines:

- PTFE, FEP, ETFE, PFA, MFA, PEEK, and Polyimide wires
- Ethernet cables



**Industrial**

Our specialty cables are built to withstand severe temperatures, pressure, and environmental extremes, including exposure to chemicals, fuel, rodents, and fire. Our products are ideal for the harshest industrial applications, such as offshore rigs, cranes, and explosion hazards.

#### Applications:

- Marine and nuclear camera systems
- Downwell systems (oil and gas application)
- Gas ignition systems
- Geophysical sensors
- Electrical switching systems
- Heat detection, instrumental and control

#### Product Lines:

- Armoured/rodent/termite resistant
- PTFE to UL, NEMA, British Standards
- FEP, ETFE wire and cables
- Polyimide cables
- Multicore hybrid constructions
- HDTV fibre/copper constructions
- PEEK cables



**Rail and Mass Transit**

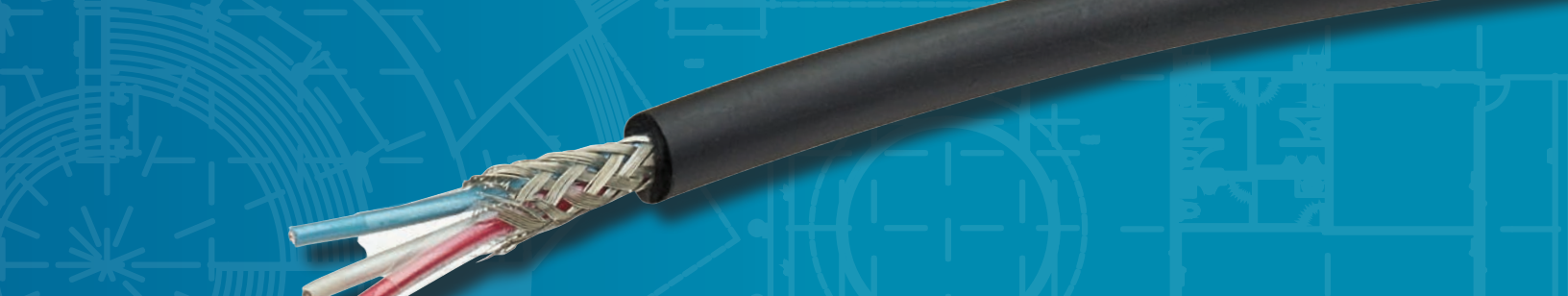
The London Underground and the Channel Tunnel have approved our comprehensive range of fire- and rodent-resistant cabling products to meet their demanding specifications. Since London Underground cable performance approvals are considered to be the industry's most stringent for smoke and fire exposures, you can trust Leviton for your mass transit infrastructure's rolling stock, signalling, and communications needs.

#### Applications:

- Rolling stock
- Locomotives
- Inductive loop systems
- Communications and signalling systems
- Track side

#### Product Lines:

- Inductive loop cables
- Coaxial cables; rolling stock wire and cables
- Armoured/rodent/termite resistant
- Polyrad cables



## Defence and Marine

As an approved supplier of copper and fibre optic cables for military and maritime applications, we offer complex cables and hybrid constructions with high-performance insulating and sheathing materials optimised for military systems and infrastructure.

### Applications:

- Fibre optic communication cables (command and control)
- Connecting power sources
- Fighter jets
- Weapons systems
- Shipboard (surface and submarine radar systems)

### Product Lines:

- Def Stan 60-1 Part 1 and 2 (optical cables)
- Def Stan 61-12 Part 9, 12, 17, 18, 25, 31, 33
- Def Stan 02-526 and 02-527
- PTFE products
- Detonator cables
- High performance optical cables
- High performance LSZH sheathed optical distribution cables/optical ruggedised patch cables



## Aerospace

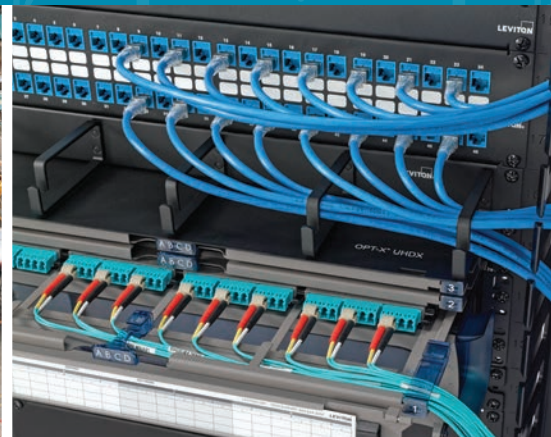
The aerospace sector has relied on our cabling options for 50 years. As an AS-9100 and ISO 9100 approved manufacturer, we're the perfect partner to supply mission-critical cabling that complies with the safety and performance criteria specified by this global standard.

### Applications:

- Fuselage and wing harness wiring
- Landing gear wiring
- Data bus cables
- Mission and electronic systems wiring

### Product Lines:

- PTFE extruded products
- High temp hook-up wire
- Arc track resistant composite wire
- High temp textile braided cables
- EFWRAP spiral cable protection



## Industrial Data Cables

Cost-effective and deployable in any industrial application, our market-leading optical fibre and copper data cables are ideal for a diverse range of systems, with standard and customised solutions available to meet your current and future network demands. As part of our complete end-to-end solutions, our industrial data cables offer 40/100 Gb/s performance, sheathing, and optimisation for demanding industrial environments.

### Applications:

- Automation
- Foundation Field Bus
- Profi Bus
- CAN & Mod Bus
- Indoor and outdoor installations

### Product Lines:

- Data Bus cables
- Fibre optic cables
- Instrumentation cables
- Armoured cables
- Hook-up and lead wires
- Multi-conductor cables

# Approvals & Certifications

Our cabling products and manufacturing practices are stringently and continuously scrutinised to meet or exceed internationally recognised standards.

## QUALITY MANAGEMENT CERTIFICATIONS

**ISO 9001:** One of the most widely recognised quality management standards in the world, requiring independent, third-party certification.

**ISO 14001:** An integral part of the European Union's Eco-Management and Audit Scheme (EMAS) stipulating continuous improvement in the mitigation of negative ecological impact and conformity with environmental laws, regulations, and requirements.



## AUTOMOTIVE

**ISO/TS 16949:** We adhere to this set of standards for the automotive industry, which ensures continual improvement, defect prevention, and the reduction of variation and waste in the supply chain.



## AEROSPACE

**AS-9100:** We are proud to be an approved manufacturer, joining aerospace companies and suppliers worldwide in following these strict quality management requirements.



## SUSTAINABILITY

**ISO 50001:** We are committed to continuously improving our company's energy performance. Our energy management system is certified according to this environmental standard, which provides a guide to establishing systems and processes that reduce energy use and greenhouse gas emissions.



# Saving The Environment & Jobs



Leviton  
Brand-Rex is  
the first **carbon  
neutral** high  
performance  
cabling supplier  
in the world.

We're committed to meeting our customers' needs while reducing our carbon footprint. We can proudly state that Leviton Brand-Rex is the first carbon neutral high performance cabling supplier in the world. In addition, we've kept jobs in the UK. Other manufacturing companies have moved jobs to lower-cost countries, but we've stayed local while serving a global community and delivering the highest quality cabling solutions for the most demanding applications.

Learn more about Leviton Brand-Rex  
High Performance Cabling Solutions at  
**[Leviton.com/HighPerformance](https://www.leviton.com/HighPerformance)**

We invent the industry’s best technologies. We build them to last. And we stand behind every product and every installation — delivering industry-leading performance and unbeatable service and support — throughout the life of your structured cabling system. Add in the peace of mind that comes from working with a stable, century-old supplier, and you get the **highest return on infrastructure investment.**

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