

AMC
AUTOMOTIVE



AMC

AUTO-TW

AMC
We simply connect

Powering Automotive Performance

Durable cable solutions supporting vehicle power systems, battery connectivity and automotive electrical applications.

AMC manufactures a comprehensive range of extra low voltage (ELV) cables designed to meet the diverse and demanding requirements of the automotive industry. These cables are engineered for reliability, durability, and performance across a wide spectrum of vehicle applications.

AMC's Thin Wall cable range supports a wide variety of automotive applications with precision and consistency. From wiring harnesses for lighting systems to advanced engine management, audio, and security systems, these versatile solutions are specifically designed to meet the performance and space requirements of most automotive electrical systems.

AMC **AUTO-TW**

With over 60 years of industry experience, AMC has built a reputation for producing cables of the highest quality. The company remains committed to strict compliance and rigorous certification standards, ensuring that every cable meets or exceeds global expectations.



One of the leading suppliers of Thin Wall cable to UK harness manufacturers

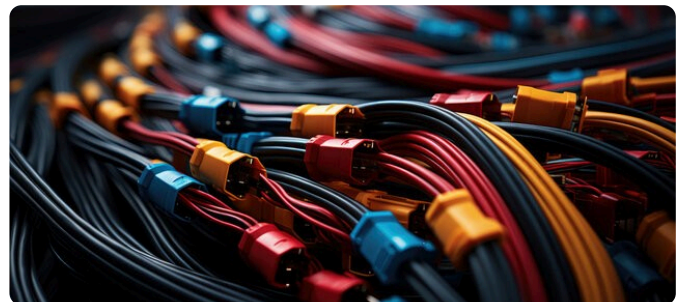
AMC **BATT-FLEX**

Battery Flex standard cable is a high-conductivity, flexible copper cable designed specifically for automotive and industrial applications, such as battery connections, starter cables, and earth grounding. It consists of plain, stranded copper, insulated with durable PVC.



AMC **BATT-FLEX PLUS**

Extra flexible battery cable designed for tight automotive spaces, using thin, fine-stranded Class 5 copper to allow for easier routing and superior durability in high-vibration environments. These cables are specifically engineered for superior flexibility to make installation easier in restricted, hard-to-reach areas.



Thin Wall Single & Multi-Core Range

Special colours and bi-colour stripes to order.



SINGLE CORE



2 CORE



3 CORE



4 CORE



5 CORE



7 CORE



8 CORE



10 CORE



12 CORE



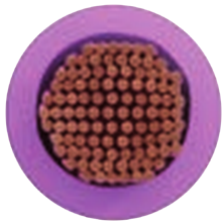
13 CORE

Made to order

Any core size mix, e.g. 5 core in mixed mm²

High-Performance Single Core (ISO 6722) & Multi-Core (ISO 19642) Solutions

AMC Thin Wall Automotive Cables are designed for low-voltage electrical systems where reliability, space efficiency, and environmental resistance are critical. Suitable for automotive, commercial vehicle, and specialist equipment applications, these cables combine robust electrical performance with reduced weight and improved flexibility. Flame retardant to IEC 60332-1-2, with strong chemical durability.



Applications

- Automotive wiring systems (engine bays, dashboards, battery systems)
- Agricultural and construction equipment
- Commercial vehicles and transport systems
- Specialist vehicle and industrial low-voltage applications

Standards, Compliance & Mechanical

Parameter	Specification
Single core	ISO 6722-1:2011 (Class B)
Multi-core	ISO 19642-7:2019
Voltage rating	60V DC max
Operating temp. (single core)	-40°C to +105°C
Operating temp. (multi-core)	-40°C to +70°C
Short-term (single core)	Up to +120°C
Minimum bend radius	< 6 × overall diameter
Mechanical property	Value
BS Softness	60–65
Shore A Hardness	64–66

Chemical Resistance

The PVC sheath provides excellent resistance to common automotive fluids:

- Engine oil
- Engine coolant
- Salt water
- Windscreen washer fluid

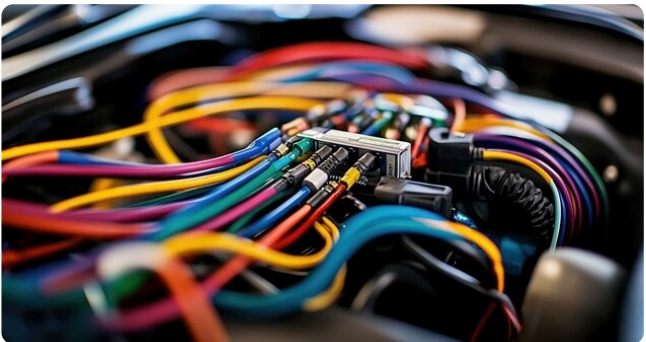
Designed for long service life in engine bay and exposed environments.

Test Reports: 59834 / 59836 / 60587

Environmental Responsibility

AMC is committed to sustainable manufacturing and responsible product lifecycle management:

- Environmentally aware production processes
- Compliance with relevant environmental standards
- End-of-life disposal in accordance with WEEE regulations



Key Benefits

- Thin wall design for weight and space reduction
- Strong chemical resistance
- Compliant with ISO 6722 (single core) and ISO 19642 (multi-core)
- Flame retardant to IEC 60332-1-2
- Flexible and easy to install
- Suitable for demanding automotive environments



British-made Thin Wall cable for automotive and harness applications.

Our UK-manufactured Thin Wall cables are designed, built and tested to ISO 6722 and ISO 19642. Reduced insulation means lighter, more compact harnesses – with the option of bespoke colours, bi-colour stripes and multi-core combinations made to order.