

AMC
ASSEMBLY



AMC **EARTH-TERM**

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AMC EARTH-TERM

Flexible, Vibration-Resistant Earth Straps

AMC braided earth and battery earth straps provide a low-resistance, highly flexible earth path between batteries, chassis, enclosures and moving equipment. Made from 19mm² round tinned copper braid and crimped at both ends, every strap arrives as a finished component – cut to length, terminated and ready to fit.

Solid conductors fatigue and crack when asked to cope with engine rock, road and machine vibration, thermal expansion or hinged movement. A braided strap is built for exactly that: its 16/16/0.30mm multi-strand construction flexes with the equipment instead of fighting it, keeping the earth connection intact.

Choose copper tube terminals (CTT25/08) at both ends for earthing, bonding and equipotential connections, or a battery lug terminal (BT458) at one end for direct connection to battery posts. Lengths run from 150mm to 760mm in packs of 1 or 10, backed by AMC's six decades of UK cable manufacturing.

Typical Applications

AUTOMOTIVE

Battery-to-chassis & engine earth straps
EV & hybrid battery earthing
Commercial & agricultural vehicles
Marine & leisure vehicles

AUTOMATION

Robotic arms & moving machine axes
Bonding hinged panels & guards
Motor frames & control cabinets
Static discharge on conveyors

CONSTRUCTION

Site power, generators & welfare units
Bonding steelwork & cable trays
Lightning protection bonding
Cranes, hoists & heavy plant

INDUSTRIAL

Switchgear, transformers & busbars
Motors, pumps & compressors
UPS & standby battery banks
Welding & electroplating earth returns

Features

19mm² round braid in 16/16/0.30mm construction for high current-carrying capacity.

Tinned copper wire to BS EN 13602:2002 helps resist oxidation and corrosion.

Highly flexible – absorbs vibration, thermal expansion and flex fatigue.

Pressure-crimped joints for a permanent connection with minimal voltage drop.

Two terminations – tube terminal both ends, or battery lug + tube terminal.



Key reasons to choose braided straps

Built to flex, not fatigue

Engines rock on their mounts, robotic axes move, guards swing open and pumps vibrate. Fine-strand braid bends and absorbs that movement cycle after cycle, protecting the joint at each terminal.

Tinned for tough environments

Every strand is tinned copper to BS EN 13602:2002, helping protect the braid against oxidation and corrosion under the bonnet, on site and in damp or marine conditions.

Secure, low-resistance termination

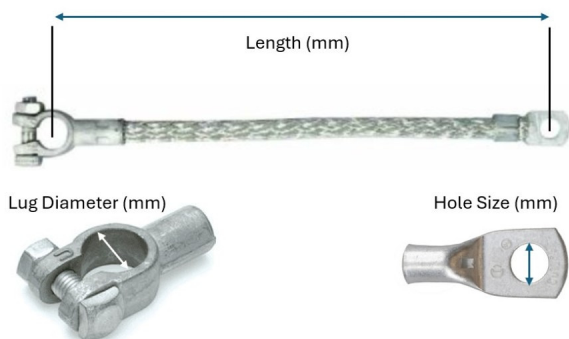
Terminals are crimped under high pressure for a permanent, vibration-resistant joint – minimising voltage drop and the heat build-up and intermittent faults that follow a poor earth.

Ready to fit, every time

Straps arrive cut to length and terminated, removing cutting and crimping from your process and giving the same specification on every repeat order.

Specification

Braid size	19mm ²
Braid type	Round
Construction	16/16/0.30mm
Conductor	Tinned copper wire to BS EN 13602:2002
Braid OD	7.2mm
Terminations	Copper tube terminal / battery lug terminal
Stud hole size	8mm
Lug diameter	17mm
Lengths	150 – 760mm
Pack sizes	1, 10



Dimensions

Length is measured between terminal centres, as shown. Copper tube terminals (CTT25/08) have an 8mm stud hole; the battery lug terminal (BT458) has a 17mm lug diameter.

Need a length or termination not listed? Please contact our Sales Team to discuss your requirements.

Braided Earth Straps

19mm² round braid. Copper tube terminals (CTT25/08), 8mm hole, both ends.

Stock Code	Length (mm)	Pack Sizes
BS300	150	1, 10
BS301	225	1, 10
BS302	300	1, 10
BS303	375	1, 10
BS304	450	1, 10
BS305	600	1, 10
BS306	760	1, 10

Braided Battery Earth Straps

19mm² round braid. Battery lug (BT458), 17mm, one end; CTT25/08, 8mm hole, the other.

Stock Code	Length (mm)	Pack Sizes
BS501	225	1, 10
BS502	300	1, 10
BS503	375	1, 10
BS504	450	1, 10
BS505	600	1, 10
BS506	760	1, 10

Specifications and dimensions are representative and provided as a guide only; actual braid strand construction may differ slightly. Ratings can vary with application, condition and environment. If in doubt, consult a qualified electrician.

We simply connect.

Braided earth straps, battery terminal leads and custom cable assemblies – manufactured in the UK.