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AMC ARCTIC-T

Low-Temperature Cables for Extreme Environments

Arctic-T cables are engineered for reliable performance in severe low-temperature environments, maintaining consistent flexibility even in challenging conditions. Manufactured to BS6004 with tinned flexible copper conductors, low-temperature PVC insulation and a specialised outer jacket, they remain pliable and dependable at temperatures down to minus 40°C. This makes them suitable for outdoor, industrial, marine and cold-storage applications where moisture, corrosion risk and mechanical stress are everyday demands. The corrosion-resistant tinned conductors provide further durability in humid and saltwater-exposed settings.

With strong resistance to water, UV exposure and physical impact, Arctic-T provides dependable service where equipment and temporary power systems must operate in sub-zero temperatures. Their flexibility aids installation in restricted or awkward routing locations, even in cold weather. These characteristics make Arctic-T suitable for use across construction sites, cold-storage facilities, marine installations and mobile units where long-term reliability and mechanical resilience are essential.

Features

Tinned copper conductors provide excellent corrosion resistance in wet and salt-laden environments.

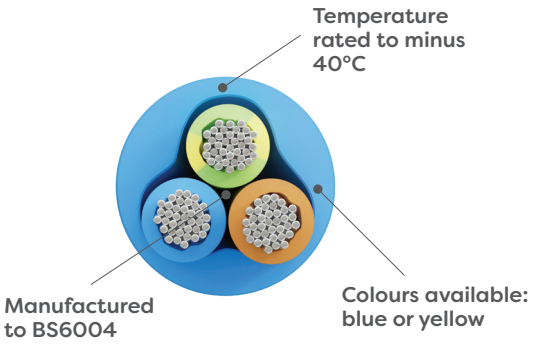
Low-temperature PVC insulation maintains flexibility and reliability at minus 40°C.

Durable outer jacket withstands water, UV exposure and mechanical impact.

Suitable for both indoor and outdoor installation in harsh cold-weather conditions.

Flexible construction supports easy handling and routing in confined or awkward spaces.

Designed to deliver stable performance across mobile, industrial and marine equipment.



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Key reasons to choose Arctic-T

Cold-weather reliability

Arctic-T cables retain flexibility and structural integrity in demanding low-temperature environments where standard PVC becomes brittle. Their construction supports dependable electrical performance in cold-storage facilities, exposed outdoor areas and winter working conditions, ensuring equipment and temporary power systems operate reliably during prolonged periods of sub-zero temperatures.

Corrosion-resistant construction

Tinned copper conductors provide enhanced protection against corrosion in humid, wet and saltwater-exposed environments. This makes Arctic-T a reliable choice for marine and offshore settings, as well as locations where moisture or airborne saline particles can accelerate degradation in conventional copper conductors.

Mechanical durability

Arctic-T cables are built to withstand physical stress, regular movement and exposure to challenging outdoor conditions. Their resistance to water, UV and mechanical impact helps maintain structural integrity throughout installation, retrieval and long-term operation, supporting dependable performance across industrial, construction and mobile power applications.

Versatile deployment

The flexibility and resilience of Arctic-T make it suitable for a wide range of applications, including cold-storage facilities, temporary power systems and mobile units such as caravans and motorhomes. Its corrosion-resistant properties also support use in marine environments, while industrial users benefit from stable, low-temperature performance in demanding conditions.

COLD-STORAGE FACILITIES

TEMPORARY POWER SYSTEMS

CARAVANS AND MOTORHOMES

MARINE AND OFFSHORE

INDUSTRIAL TOOLS AND MACHINERY

Benefits

Reliable performance in sub-zero conditions prevents cracking and cable failure.

Corrosion-resistant tinned copper supports long-term use in humid and marine environments.

Flexible handling simplifies installation in cold and restricted spaces.

Durable construction withstands water, UV and mechanical wear.

Suitable for diverse applications across industrial, marine and mobile systems.

Part No.	Conductor Specification (mm)	Conductor Cross Section (mm^2)	Maximum Overall Diameter (mm)	Nominal Current Rating (Amps)	Maximum Resistance Per Metre at 20°C (Ohms)	Sheath Colours	Core Colours	Reel Sizes (Metres)
AT03/02	32/0.20	1	6.8	16.5	0.0191	Blue, Yellow	Blue, Brown, Green/Yellow	30, 50, 100, 500
AT03/03	21/0.30	1.5	8.1	21	0.0130			
AT03/04	35/0.30	2.5	10	29	0.00782			
AT03/05	56/0.30	4	11.3	39	0.00485			
AT03/06	84/0.30	6	12.7	50	0.00323			

The conductor specifications shown are representative configurations; actual cable strand may differ slightly, but will meet the resistance values shown. Nominal current amperage ratings are provided as a guide only, and can vary depending on the application, condition and environmental factors. If in doubt, please consult a qualified electrician.

* Indicates values of the sheathing compounds not the finished cable.