

Not Just Outside, but OUTSIDE

When the Arc Machines, Inc. Engineering Department heard that some of our customers were having problems with our M207 Remote Pendant cable, we were curious to find out what was going on. Since the unit was designed for use in all outdoor environments, we were surprised to hear that the cable was failing. It was soon discovered that when the cable was “smacked around” at low temperatures, the outer sheathing would split. Since our customers rely on our equipment to perform in a wide range of temperatures, we quickly set about determining why this was happening.

Our investigation revealed that the vendor of the cable in use specified a service temperature range of -4°F (20°C) to 176°F (80°C), which was the originally expected service environment. In order for the cable to fail, we concluded that it must be in service at much lower temperatures (our own lab testing confirmed this).

Collaboration with our vendor resulted in a product that would function at an expanded temperature region of: -47°F (-44°C) to 198°F (92°C). The customers with damaged cables had them replaced at no charge, and all subsequent deliveries of this equipment employed the new cable.

So, when we say you can use our equipment outside, we mean OUTSIDE. Not just Paris in the springtime; we mean the Sahara in summer and Siberia in the winter!

