

BLUE LIGHTNING®

Friction reduction coating for improved wire pulling efficiency!

BLUE LIGHTNING® is a proprietary, UL-listed wire pulling compound that is an available service to factory-apply a coating to the interior of Penn Aluminum Electrical Metallic Tubing (EMT). It was developed to reduce the wire pulling force and to minimize the propensity of fish tapes and leaders to develop friction with the interior of Penn Aluminum EMT.

This innovative coating also offers enhanced electrical insulation and high thermal conductivity properties, helping to dissipate heat quickly. It is also not affected by freezing, thawing or extreme high temperatures, and does not deteriorate or lose lubricity with age.

While some electrical contractors prefer standard Penn Aluminum EMT, **BLUE LIGHTNING®** offers a reliable alternative to those who have wire pulling concerns. We have shipped millions of feet of Penn Aluminum EMT for use on major electrical construction projects throughout the country. Over a million feet of these shipments have the **BLUE LIGHTNING®** coating service applied based on requests by large electrical contractors to gain labor efficiencies on significant projects.



KEY ATTRIBUTES:

- Tested and approved by UL under Category ZOKZ for wire pulling compounds
- Inorganic dry film lubricant (DFL): Smooth, uniform layer provides excellent lubrication that does not deteriorate with time
- Clean, safe and non-staining
- Temperature stable: can be used from -28°F to 120°F (-33°C to 49°C) and beyond
- Electrically insulating
- High thermal conductivity dissipates heat quickly (which is already a key benefit of Penn Aluminum EMT compared to steel EMT)

SPECIFICATIONS:

Active Ingredients.....	Inorganic lubricant	Coefficient of Friction (μ)	0.16-0.17**
Color	Blue	H F R Ratings	1-0-0
Cleaning Solvent	Water*		

* Avoid submersion of dried coating in water or liquids

** Coefficient measured by an independent laboratory using a pin-on-disk tribometer in accordance with ASTM G133 Procedure A

Please request **BLUE LIGHTNING®** coating application on your next project using Penn Aluminum EMT.

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America's Heartland.**



The Smart Choice.

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