



USX

Thermon's New Self-Regulating Heat Trace Cable

Superior Performance and Reliability for Combined Cycle Gas Turbine (CCGT) Power Plants

The possibilities for innovation are endless with Thermon's USX, our newest self-regulating cable that provides an unparalleled level of thermal performance and reliability for power plant heat tracing applications. USX is a safe, easy to install ultra high temperature self-regulating heat tracing cable for LP steam, fuel gas, blowdown, drains, boiler feedwater, turbine cooling air, condensate, fire water, chemical treatment/demineralized water, instrument and sampling lines.

The new temperature ratings on USX extend the range of applications for self-regulating technology in CCGT plants.

IMPROVED THERMAL CAPABILITIES WITH USX

USX expands Thermon's self-regulating capabilities for CCGT plants with:

- › Up to 60% higher maximum continuous operating temperature
- › 20% higher maximum continuous exposure temperature
- › Higher temperature ambient sensing designs (up to 240°C)

USX PRODUCT CAPABILITIES

- › Highest performance self-regulating heat trace ever developed by Thermon
- › Superior high temperature power output stability compared to the competition
- › Max Continuous Operating (On): 464°F (240°C)
- › Max Intermittent Exposure (On/Off): 482°F (250°C)
- › Max Continuous Exposure (Off): 464°F (240°C)
- › T-Ratings:
 - 3, 6, 9, 12 & 15-2 W/ft: T3 392°F (200°C)
 - 15-1 & 20-1 W/ft: T2D 419°F (215°C)
 - 20-2 W/ft: T2C 446°F (230°C)
 - Stabilized design: T3 to T6
- › Internationally certified, supporting installation on global projects
- › USX has superior performance and reliability that you can trust.
 - Unmatched for high temperature thermal stability as proven through rigorous competitive benchmark testing that meets and exceeds IEEE/IEC 60079-30-1:2015 Thermal Performance Test (5.1.12) requirements



USX VS MINERAL INSULATED (MI) CIRCUITS

Historically, mineral insulated heat tracing has been required for applications with continuous exposure temperature above 392°F (200°C). Now, with increased temperature ratings, USX can be used for up to 45% of the circuits at CCGT plants that previously required MI, resulting in reduced total cost of ownership.*

- › Easier to Install: Flexible, Cut-To-Length, Allows Overlapping
- › Lower Costs of Ownership: Faster to Maintain/Upgrade
- › In-Stock for Quick Delivery: Supplied on Standard Length Reels and in Custom Lengths to Meet Your Requirements
- › Increased Design Flexibility: No Minimum Length, Field-Run Capable for Tracing Instrument Tubing and Other Small Lines On-Site
- › Inherently Safe: T-Ratings Via Product Classification or Systems Approaches
- › Enhanced Operational Awareness: Visual Confirmation of End-Of-Circuit Power Continuity Using Terminator Beacon

Discover New Possibilities With Thermon's USX Self-Regulating Heat Trace Cable!

THERMON SOLUTIONS FOR THE COMBINED CYCLE MARKET

- › Self-Regulating Heat Tracing
- › Series Constant Wattage Heat Tracing
- › Heat Traced Tubing Bundles for Continuous Emissions Monitoring (CEMS)
- › Space Heating
- › Engineered Process Heating
- › Thermon Power Solutions
- › Installation & Aftermarket Services



FOR ADDITIONAL INFORMATION:
www.Thermon.com



* Based on internal Thermon analysis of actual CCGT projects where MI has been supplied.