

nVent PYROTENAX System 1850 Mineral Insulated (M.I.) Cable Solutions Ensure Critical Safety Circuit Performance at NYC Airports

Essential Performance
for Infrastructure



PROJECT DETAILS



Location:

New York/New Jersey



Applications:

Emergency Fire Pumps, Emergency generator circuits such as lighting, fans, elevators and doors, fire alarm systems, as well as space savings and more.



Contract scope:

Design, Product Supply, Installation Assistance



Technology:

nVent PYROTENAX System 1850 Cables and Accessories



Completion date:

Since 2001

KEY CHALLENGES

It is essential to New York City Airports that they can count on highly reliable emergency equipment. Airport design engineers and operation managers are acutely aware that the operation of emergency equipment is only as good as the wiring system that delivers the necessary electricity to the equipment. They require a wiring system solution that is safe for people and property, reliable in an emergency for as long as possible, and that does not take up a lot of space since space was very limited for emergency equipment wiring.

SOLUTION

Airport design engineers and operations management teams collaborated with nVent PYROTENAX design experts to develop robust wiring solutions that reliably deliver required power under emergency conditions without contributing any additional flammable or toxic gases that could endanger first responders, airport workers or passengers. PYROTENAX's UL2196 Approved broad range of cables, splices and accessories were fully utilized to deliver optimal wiring solutions. The large number of circuits required on these projects would be a challenge for a different wiring system -- but not for a PYROTENAX system. The PYROTENAX M.I. cables provided a great space savings alternative by reducing the cross sectional footprint needed versus other solutions. PYROTENAX systems eliminated the need for conduits and associated boxes and allowed for higher ampacity allowances. When combined with its two-hour fire rating, PYROTENAX cables were deemed the best solution for the fire pumps, emergency generator circuits such as lighting, fans, elevators and doors, fire alarm systems, as well as space savings and more.

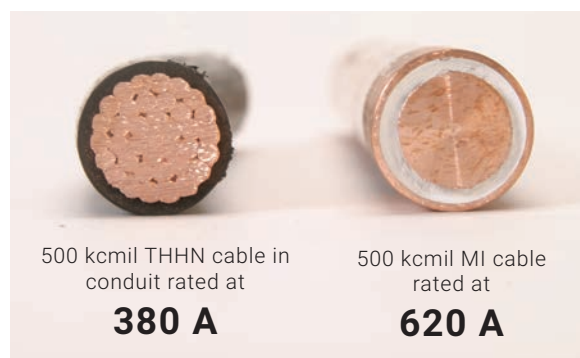
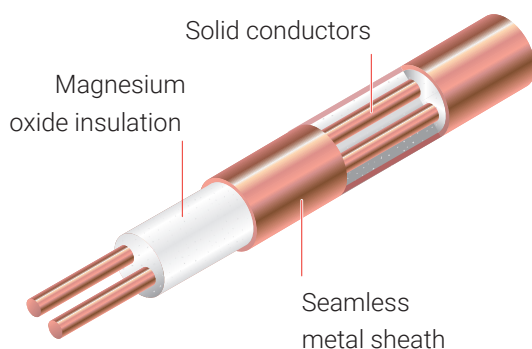
PROJECT FACTS

To meet the mission critical emergency wiring needs of these world class airports, our nVent PYROTENAX System 1850 UL2196 Approved solution included:

- Engineering design expertise to provide optimized designs using the online Quick Voltage Drop Calculator
- Technical support to educate contractors on proper installation and test procedures
- nVent PYROTENAX System 1850 cables
- nVent PYROTENAX System 1850 Splices and Accessories

BENEFITS

More than 1 million feet of PYROTENAX cables have been installed at NYC area airports in the last 25 years including several hundred thousand feet on recent projects. Our industry leading performance, lifetime warranty, track record of successful installations and design and installation expertise provides confidence to design engineers and airport emergency staff that the power will keep flowing to their emergency equipment when needed. PYROTENAX wiring solutions continue to be specified on both new terminals and renovations of existing terminals in the NYC metro area.



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