

SIMTRA™

BY ISOTEC INC.

FERRITE BARRIER POWER CABLE

USER PROFILE



IMMACULATA - LASALLE HIGHSCHOOL

Concord Electric Relies on Simtra™ Cables for Challenging Educational Install

When Concord Electric was tasked to upgrade the computer and media infrastructure for the Immaculata - LaSalle High School, a private Catholic high school in Miami Florida, the limited room for cable runs presented an installation challenge. Concord quickly found the solution in Isotec's new SIMTRA™ Ferrite-Barrier power cables which proved to be both a space saver and a time saver.

"The Immaculata-LaSalle installation posed significant design issues because of the lack of space to run wires," says David Linenfelser, electrical supervisor at Concord Electric. "The Isotec SIMTRA™ power cables became

the only solution for the installation because the unique design of the SIMTRA™ wire allows for multi-format media and low-voltage cabling to co-exist in the same conduit as the 120 volt AC power cable without interference while only having to run one cable."

SIMTRA™ cables conform with NEC specification sections 725.136, 760.136, 770.133 exception No. 5, 800.133, 820.133 and 830.133. By virtually eliminating transients and interference, SIMTRA™ power cables are a unique and innovative solution for all-in-one cabling installations with low-voltage data, audio, or video cables. Each conductor of the SIMTRA™ power

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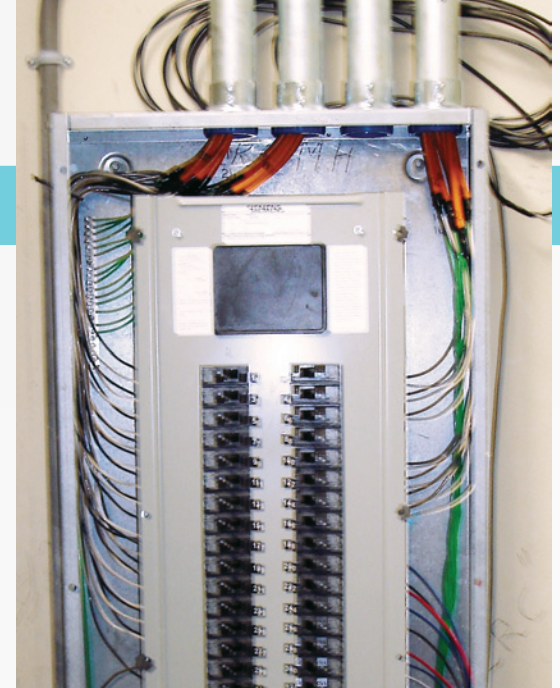
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USER PROFILE (continued)

cable is surrounded by a unique ferrite-barrier that provides shielding within the cable itself, thereby attenuating surges and minimizing interference that can corrupt the signal in adjacent low-voltage cables.

The Immaculata-LaSalle project required several different types of cable to be run to each classroom in order to service the needs of that particular room. For instance, each classroom has cables running to the teacher's desk that provide interconnections for the video projector, DVD, audio amplifier and computer networking, in addition to power for each student desk. Power outlets for each student computer were positioned next to each desk, and there was not space available for multiple conduit runs. By using SIMTRA™ power cables, Concord was able to pull the projector wiring, TV Cable, speaker wire, data cable, and AC power all in one conduit into the room, breaking out CAT5 Ethernet cable and AC for the individual student stations. Also, because the SIMTRA™ cable could be run through the small space in the floor, Concord was able to eliminate the extra step of supporting the cables every four feet, a new standard required when running low-voltage cable through ceilings.

"A big benefit of the SIMTRA™ cable is time savings on a job and streamlining the installation to meet code," explains Linenfelser. "Also

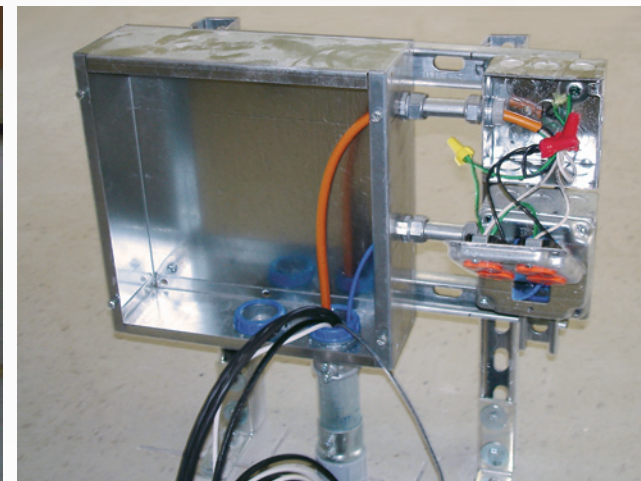


Main Breaker Panel

whenever you go through a classroom wall, the building codes consider it a firewall, and that requires a whole new set of rules. What's beneficial with SIMTRA™ is that we actually run one large conduit from the classrooms to the main room where the high voltage and low voltage all converge, eliminating the need for multiple penetrations of the firewalls. With Immaculata-LaSalle, SIMTRA™ cable actually made this installation possible."



Computer Lab Junction Boxes



Central Hub for Instructor's Panel

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