



Mineral insulated electromagnetic interference elimination system

Mineral insulated (MI) wiring cable system that eliminates electromagnetic interference normally associated with electrical feeders.

Pyrotенax® Zero EMI® System consists of polymer jacketed MI wiring cable and the patented Zero Flux compensator. The system reduces the magnetic field around current-carrying MI feeders to a level guaranteed to be less than 5 milligauss (mG) at a distance of 3 ft (1 m).

The Zero Flux compensator injects current into the sheath, exactly equal and opposite to the conductor current, nullifying the

magnetic field and the external magnetic flux associated with both power and harmonic frequencies.

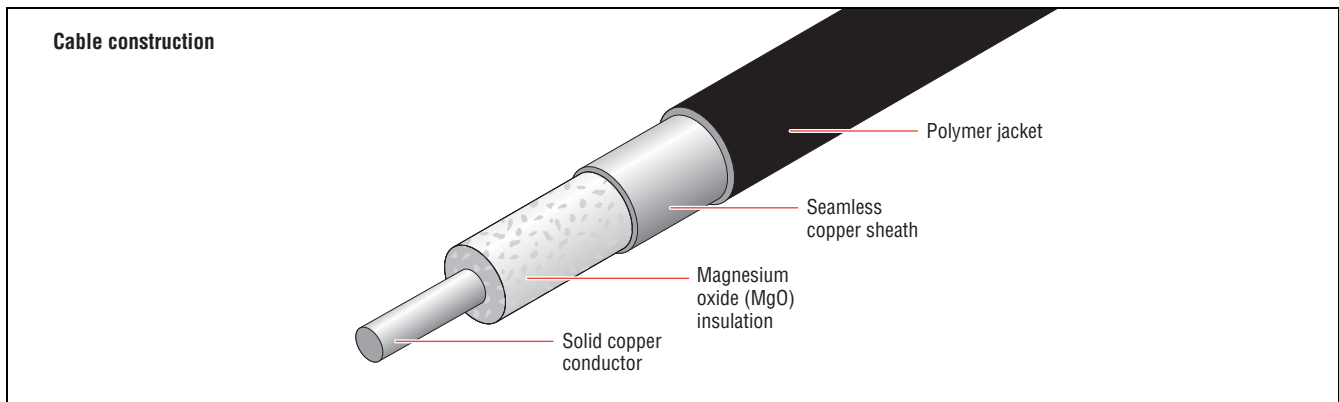
This system offers the installation advantages of MI cable with respect to size and flexibility. The high reliability of MI cable and the rugged construction of the compensator result in a system that requires no maintenance.

Applications include wiring for electrical feeders in new construction and retrofitting of additional power into buildings where space is limited and routing is restricted.

The Zero EMI System can be used in the following environments:

- Commercial buildings – main feeders and branch wiring where computers and sensitive equipment are present
- Financial institutions
- Health care facilities
- Computer rooms, etc.

For additional information, contact your Tyco Thermal Controls representative or call Tyco Thermal Controls at (800) 545-6258.



Cable Construction

Sheath	Seamless soft-drawn copper
Insulation	Highly compressed magnesium oxide (MgO)
Conductor type	Copper
Insulation voltage rating	600 V
Conductor size*	1/0 AWG – 500 kcmil
Jacket	Polymer
Number of conductors	1

* Cables are custom designed for the application.

Cable Temperature Rating

Continuous exposure temperature	90°C (194°F)
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Compensator

Transformer type	3 or 4 winding, dry type, ANN self cooled
Enclosure	CSA, sprinkler proof with hoods, nominal size 31" (787 mm) L x 36" (914 mm) D x 31" (787 mm) H
Auxiliary	120 V
Frequency	60 Hz
Nominal weight	450 lbs (204 kg)

Termination Kit

	QuickTerm™ kit
Seal type	Self-amalgamating tape
Gland fitting	Brass
Cable seal rating	Nonhazardous locations: 90°C (194°F) maximum
Tail AWG size	Refer to product installation instructions

Approvals

BULK CABLE



Nonhazardous Locations
Hazardous Locations
 Class I, Div. 1 and 2, Groups A, B, C, D
 Class II, Div. 1 and 2, Groups E, F, G
 Class III



Nonhazardous Locations
Hazardous Locations
 Class I, Div. 1 and 2, Groups A, B, C, D
 Class II, Div. 1 and 2, Groups E, F, G
 Class III



Specification Tested
 FM Specification Tested 2-hour fire-resistive cable



UL Classified, 2-hour fire-resistive cable, tested to UL 2196



ULC Listed, 2-hour fire-resistant cable, tested to ULC-S139-00

TERMINATED CABLE

QUICKTERM KIT



Nonhazardous Locations

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Note: Overall approval of the terminated cable depends on the termination kit used.

COMPENSATOR



Nonhazardous Locations



Nonhazardous Locations

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