

## DRIVERX<sup>®</sup> SOLUTIONS FOR DRIVE PROBLEMS

**Problem:**

High frequency noise interferes with data and control signals, causing production system malfunctions.

***DriveRx<sup>®</sup> Sheath***

The bendable heavy wall, continuously corrugated, impervious aluminum sheath provides an excellent shield.

**Problem:**

High resistance path to ground leaves drives and motors vulnerable to damage and can also cause a safety hazard.

***DriveRx<sup>®</sup> Sheath***

The continuously corrugated, corrosion-resistant aluminum sheath gives 100% coverage and provides a long term low resistance path to ground.

**Problem:**

Common mode currents impair drive unit electronic performance and shorten the drive lifespan.

***DriveRx<sup>®</sup> Sected Grounds***

Three bare copper bonding conductors (in place of one larger bonding conductor), provide the best cancellation and lowest net injected ground current into the drive system.

**Problem:**

Bearing currents cause motor burnout.

***DriveRx<sup>®</sup> Sected Grounds***

Total cross-sectional area of the 3 bare bonding conductors meets or exceeds Table #16 Canadian Electrical Code requirements. Combined with the low resistance sheath and connectors, this construction ensures a balanced, low resistance path to the ground to reduce the chance of motor failure due to bearing currents.

**Problem:**

High voltage spikes damage cable and cause system failure, resulting in expensive operational downtime.

***DriveRx<sup>®</sup> Insulation***

1000 Volt rated crosslinked polyethylene insulation guarantees high dielectric strength to withstand high voltage spikes of 2 to 3 times normal voltage.

**Problem:**

Ground loops, and stray currents picked up along the cable route injecting stray currents into the drive electronics result in drive failure.

***DriveRx<sup>®</sup> Jacket***

A PVC jacket rated FT4 and AG14 ensures cables are grounded at the terminations only, preventing the pick up of stray currents. The black PVC jacket is UV resistant, suitable for outdoor use.