



# DataCELL<sup>®</sup>FIELD

## Rugged Cables for FOUNDATION fieldbus<sup>®</sup>

Northwire leads the way manufacturing rugged FOUNDATION fieldbus cable specifically designed for tough plant environments. Through continued product innovation and refinement, Northwire remains the leading manufacturer of cables for industrial networking.

Industry-exclusive features plus a variety of versions and options make DataCELL FIELD the cable of choice for process automation networks.

- **3rd Generation Design**—Easy to strip; round, smooth jacket makes installation in cable glands effortless and secure.
- **Save Time and Money**—Exclusive ITC-ER/PLTC-ER (exposed run) rating on all versions eliminates the need for conduit in most applications.
- **Most Complete Line**—16 and 18 AWG, single and multi-pair cables with alternate color, shielding and grounding options. Over 100 DataCELL FOUNDATION fieldbus parts offered.
- **Strong**—Northwire ITC-ER/PLTC-ER-rated fieldbus cables pass the same crush and impact tests for metal-clad cable without the metal.
- **Certified**—All DataCELL FIELD cables are FOUNDATION fieldbus certified to meet the new FF-844 specifications for “Type A”.
  - Tightly controlled electrical properties  $100\Omega \pm 10\Omega$  at 31.25 kHz.
  - All Northwire FOUNDATION fieldbus cables are approved for use in Class I, Div. 2 hazardous locations, or Class II, and are UL-listed ITC-ER/PLTC-ER and CSA CMX-Outdoor-CMG FT4-rated.
  - Armored ITC/PLTC versions offered, which are also listed CSA, HL ABCD.
- **Versatile**—New exclusive UL 1309 dual-rated ITC and Marine Shipboard versions are arctic grade extreme—suitable for harsh environments and applications to  $-60^{\circ}\text{C}$ .
- **Shipped Direct from the Factory**—12–17 day lead times.

#### Options:

- Shielding—individually foil-shielded pairs with drain wire. Multi-pair cables have overall foil with drain wire
- Cable with an overall braid available for low-frequency noise immunity
- With or without ground wire
- Variety of jacket colors
- Standard 18 AWG or 16 AWG for longer runs. Both are available in single shielded twisted-pair or multi-pair cables, up to 12 pairs

For current available product offerings visit [www.northwire.com](http://www.northwire.com), call **1-800-468-1516** or e-mail [cableinfo@northwire.com](mailto:cableinfo@northwire.com). We'll give you the solution you need, with the most responsive service in the industry.

# NEC Code Amendments Lead to Significant Cost Savings

## Exposed-Run Cable Code Information

NEC 2008 article 725.154(D) hazardous (classified) locations (2) and article 727.4(5) allow exposed-run (ER) listed cables “to be installed exposed. The cable shall be continuously supported and protected against physical damage using mechanical protection such as dedicated struts, angles or channels. The cable shall be secured at intervals not exceeding 1.8 m (6 ft.).”

Cables that are UL 13 PLTC and/or UL 2250 ITC listed may also have an ER listing. These cables must pass the same crush and impact tests applied to metal-clad cables, (UL 1569 crush and impact tests) but without the metal. Cables listed under UL 13 PLTC-ER meet the requirements of NEC article 725.154(D), and cables listed under UL 2250 ITC-ER meet the requirements of NEC article 727.4(5).

This provision can result in a great deal of freedom for installers and system designers and can result in significant cost savings over armored cables or cables installed in conduit.



Made in the USA



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