## » Delivering Customer-Driven Performance, Quality and Service For
# Industrial Automation



**The General Cable and Panduit alliance is focused on structured cabling solutions designed to meet diverse network infrastructure requirements. The strength of our partnership includes research, product development, extensive joint marketing and sales programs as well as the delivery of enhanced customer-focused products and services to the market.**

## The Importance of Industrial Connectivity

With the transition to Ethernet-connected controllers, computers, high speed motion control, cameras and power electronics, new approaches to industrial connectivity are required.

The **PanGen Industrial Automation Connectivity** offering helps ensure the continuity and reliability of data throughout the factory floor to the enterprise. The PanGen Industrial Automation offering complies with various industry standards, such as ANSI, TIA, ODVA and ISO/IEC, resulting in optimum data transfer reliability.

## World-Class Installation and Support

Quality installation of PanGen Industrial Automation Connectivity is available through an extensive network of specially trained and certified installers. Meeting stringent qualification requirements, Panduit Industrial Automation Certified Partners receive continuous training on products, standards and installation practices. The PanGen Industrial Automation Connectivity offering comes with prompt, nationwide technical support for customers from the design stage to post-system-installation support.

## PanGen Industrial Automation System Warranty

PanGen IA installations are eligible for the PanGen Industrial Automation 25-year system warranty*, which provides:

• 100% coverage to repair or replace defective IA components covered by the system warranty

• Compliance with all applicable ANSI, TIA, ODVA and ISO/IEC standards

• One point of contact for all inquiries (USAPartners@panduit.com)

## General Cable Extended Cable Warranty

General Cable also offers an extended 25-year product warranty on all datacom and electronic cabling used in the warrantied IA Installation.

* To be eligible for the PanGen Industrial Automation System Warranty, the system must be installed by a Panduit Industrial Automation Certified Installer ("Industrial Automation Certified Installer") or a Panduit Industrial Automation Certified Designer and Installer ("Industrial Automation Certified Designer and Installer") and be registered by Panduit. The PanGen Industrial Automation System Warranty is subject to various terms, conditions and limitations.

Rockwell **Automation**
**Encompass™**
Product Partner
Americas • Europe

**PANDUIT®**    ▽ General Cable

## The PanGen® Industrial Automation Connectivity offering meets industrial automation requirements:

» **Assurance** – PanGen Industrial Automation Ethernet cabling and connectivity assure adherence to design and installation best practices found in reference architecture materials published by industry leaders such as Cisco, Rockwell Automation and Panduit.

» **Best Practice Deployment** – Transmitting data throughout the plant floor to the enterprise requires a reliable infrastructure. This includes topology and zone architecture, EMI noise mitigation and grounding, panel layout, pathways, and support in selecting the right product for the right environment.

» **Reliability** – PanGen Industrial Automation Connectivity high-performance Ethernet and control cabling systems can be deployed following recognized best practices for industrial networks, improving uptime and data continuity. Variable Frequency Drive (VFD) cabling for optimum machine control and a comprehensive line of shielded cables with applicable grounding methods result in the mitigation of noise.

### Industrial Ethernet Solutions

PanGen Industrial Ethernet cables, including Category 5e, 6 and 7, meet the needs of harsh conditions on the factory floor with unshielded, shielded, armored, and outside plant options. These cables are available with third-party tested, listed, and verified performance for ratings such as UL 444 CMX Outdoor – CMR, UL 758 600 V AWM, UL 13 PLTC, and ANSI/TIA 568-C.2 for increased installation options and flexibility across multiple applications.

### High-Performance General Cable Control & VFD Cabling

Robust cable solutions support industrial automation protocols and in-field applications – CC-Link®, ControlNet®, DataHighway®, DeviceNet®, Foundation Fieldbus, Interbus®-S, LonWorks®, Modbus, Profibus®, RS-485/HART/Can Open, Seriplex®, Smart Distribution System – with durable construction options such as 600 V rated cabling; various UL styles; FT4/Tray cable rating; Polyurethane (PU) or Thermoplastic Elastomer (TPE); and high-flex, oil- and sun-resistant cable.

### Industrial Fiber Optic Solutions

Fiber optic solutions suitable for use in harsh industrial conditions are available. Polymer Clad Fiber (PCF) features large diameter OM1 or OM2 fiber for ease of field installation together with field-installable LC connectors, aided by easy-to-use installation tools. Dielectric Conduited Fiber (DCF) includes OM1 and OM2 multimode with polymer conduit extruded over the fiber cable outer jacket, providing protection and a smaller, crush-resistant pathway.

### Panduit Connectivity

The PanGen Industrial Automation Connectivity offering includes a comprehensive range of durable copper and fiber connectivity fully in alignment with the cabling solutions. Copper solutions feature IP67 rated M12 and RJ45 connectivity. Fiber solutions feature IP67 rated bulkhead-mounted LC connectivity. Innovative patching solutions used to mount connectivity are available for both fiber and copper and can be installed directly onto 35 mm DIN rail in the enclosure or control panel, as well as into conventional 19" racks and cabinets.

**Call your Panduit or General Cable sales representative for more information on PanGen Industrial Automation Connectivity.**

**www.pangensolutions.com**

**PANDUIT®**

18900 Panduit Drive
Tinley Park, IL 60487
Telephone: 800.777.3300
Email: cs@panduit.com
www.panduit.com
Form No. CPCL70-SA-ENG

**General Cable**

4 Tesseneer Drive
Highland Heights, Kentucky 41076
Telephone: 800.950.3512
Email: info@generalcable.com
www.generalcable.com
Form No. COR-0080RA-1114