



INDUSTRIAL AUTOMATION CABLES

Industrial Automation Cables are used for the control of machinery and processes used in various industries by autonomous systems through the use of technologies like robotics, automation, automated pick and place systems, natural gas production and computer software.

Industrial Automation Cables are designed to carry signals two-way and allow communication with automation equipment and are used primarily to control automated equipment. The signal transmission capabilities allow automated equipment and robotics the ability to perform multiple tasks.

Cables are designed and manufactured as per the below applications:

- **Static Applications**
- **Dynamic Applications**
- **Highly Dynamic Applications**
- **Industrial & Other Harsh Environment Applications**



Machine



Plant



Robotics

APPLICATIONS



Automotive Assemblies



Production Engineering



Drag Chain



Conveyor Systems



Energy



Petrochemical

Power Control & Data Applications

Drive

Intelligent Traffic Systems

Automated Handling Systems

Transfer Shuttles

Power Generation

Process Automation

Factory Automation

Control Panel Applications

Parking Automation

RANGE / TYPE

Industrial Automation & Robotics Cables

Bus System Cables

RS-485
CABLES

PROFIBUS
PA / DP CABLES

CONTROL NET
CABLES

DEVICE NET
CABLES

FIELD BUS
CABLES

INDUSTRIAL
ETHERNET
CABLES

CC LINK
CABLES

CONTROL
& SIGNAL
CABLES

DATA &
COMMUNICATION
CABLES

FLEXIBLE
AUTOMATION
CABLES

FESTOON
CABLES

INSTRUMENTATION
CABLES

SERVO
CABLES

DRAG CHAIN
CABLES

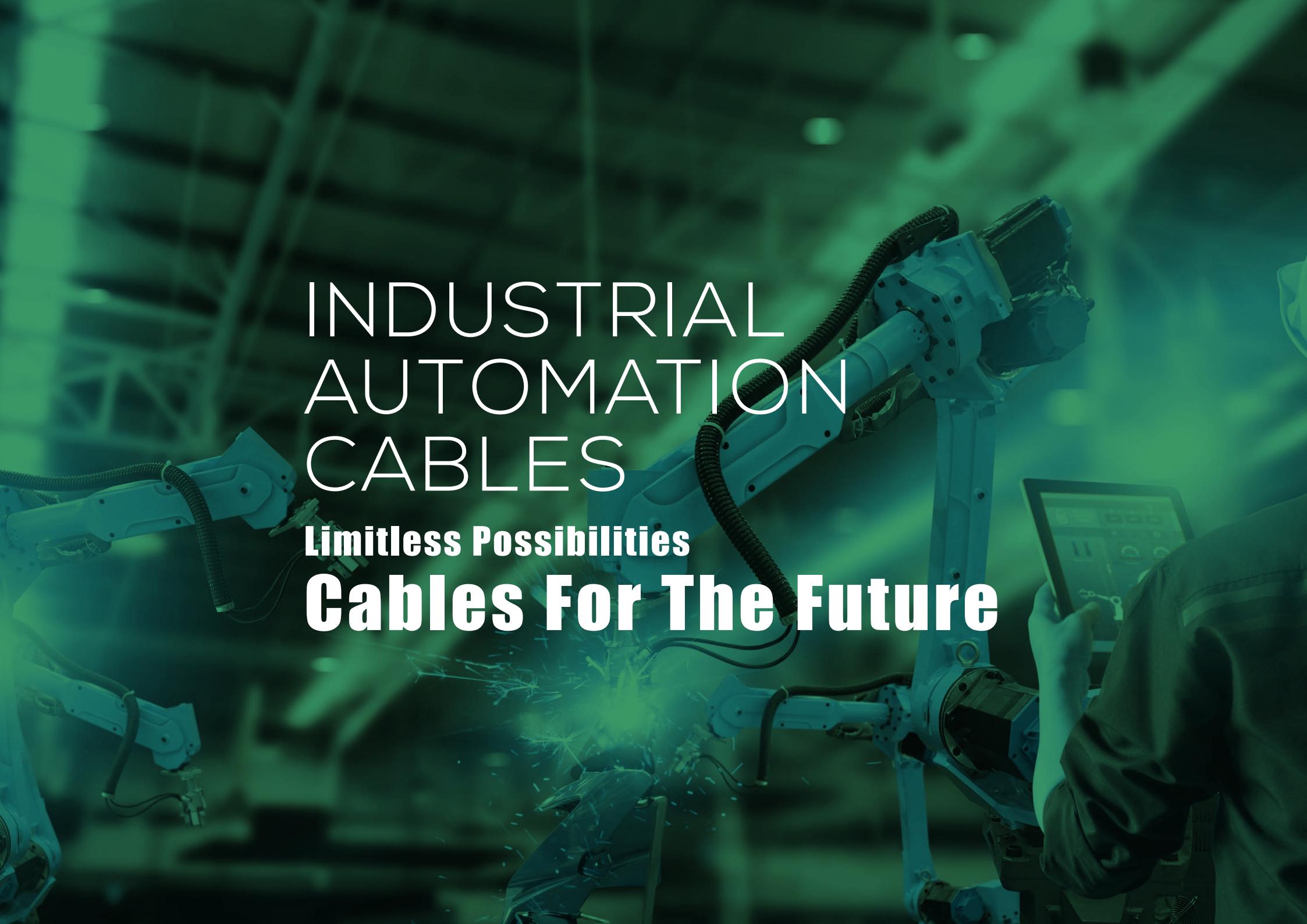
ROBOT
CABLES

TORSION
CABLES

SENSOR
CABLES

ENCODER
CABLES

ASI & VFD
CABLES

A background image showing a robotic arm performing a welding task, with bright sparks flying. In the foreground, a person's hands are visible, holding and operating a tablet computer displaying industrial control software.

INDUSTRIAL AUTOMATION CABLES

Limitless Possibilities
Cables For The Future

FEATURES / OPTIONS



Finely Stranded Conductor



Resistance in Harsh Environments
(Oil, Gas, Dust, Mold)



Unshielded - Up to
125 Core & Shielded
Up to 100 Cores / 50 Pairs



Broad Range of AWG Sizes & Shielding Options



Foil / Braid Shielding for Exceptional EMI Protection



Temperature Range
(Based on Material)
-50°C to +200°C



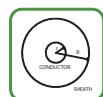
Insulation: PVC (Many Varieties), Polyolefin, Silicone, TPE, Fiberglass, FEP, ETFE, PFA, PTFE, Zero Halogen and Polyurethane.



High Effective Protection from EMI & RFI



Resistance to Fire Alone
950°C for 3 Hrs



Low Capacitance



Self-Extinguishing & Flame Retardant



Characteristic Impedance:
100 – 150 Ohms



Enhanced Flexibility & Routability



Water Blocked



Hybrid Designs for Multiple Functions



Jacket Materials: PVC (Many Varieties), LSZH FEP, TEFLON, EPDM, XL-DUR, CSPE, Neoprene, Silicone Rubber and Polyurethane



STANDARDS / COMPLIANCE

- UL 758, UL 1581 and CSA C22.2 210.2
- EN 50363, EN 50290-2-22
- EN 50214, EN 50363, EN 50290
- EN 50228-7
- IEC 61158-2

