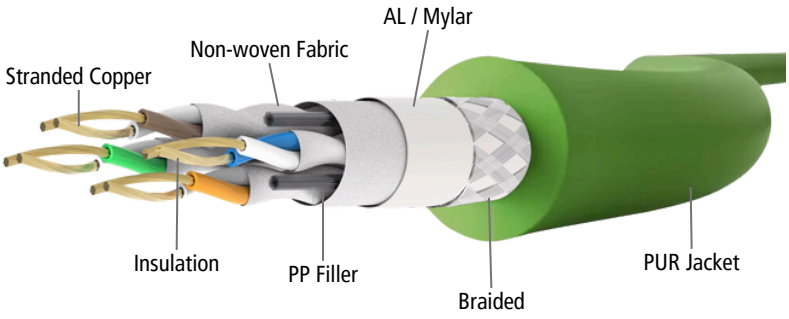


INDUSTRIAL AUTOMATION

WINSTON INTERNATIONAL LTD.
EST. 1980

Winston International is proud to introduce our latest line of **high-performance industrial automation cables**, engineered to meet the demanding requirements of modern industrial networks. Designed for **rugged environments, high-speed data transmission, and reliable power delivery**, our new cable line ensures **seamless connectivity in automation, robotics, and smart manufacturing applications**. From Industrial A-Key to M12 and RJ45 Cat 6A cables to M12 X-Coded 10G Ethernet and L-Coded power assemblies, our solutions provide superior durability, efficiency, and performance.

CABLE STRUCTURE

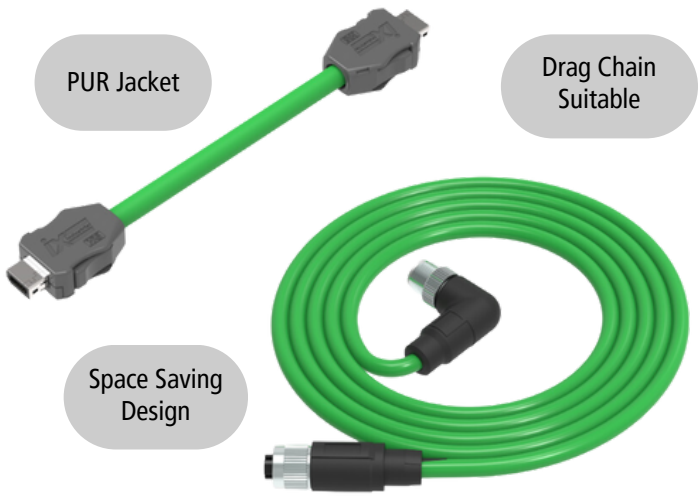


INDUSTRIAL CABLE CATEGORIES

- Industrial A-Key to A-Key Cat 6A Ethernet Cables
- Industrial A-Key to RJ45 Cat 6A Ethernet Cables
- Industrial A-Key to M12 D-Code & X-Code Cables
- M12 X-Coded 10 G Industrial Ethernet Assemblies
- M12 L-Coded 4 POS Industrial Power Cable Assemblies
- M12 L-Coded 5 POS Industrial Power Cable Assemblies

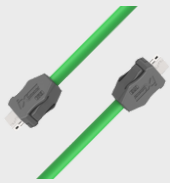
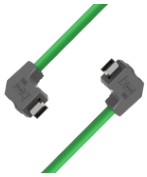
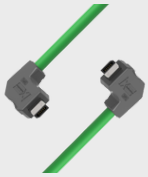
BUILT FOR PERFORMANCE

- ☑ Drag chain resistant up to 10 million flexes
- ☑ Torsion resistant up to 3 million flexes
- ☑ Oil resistant for harsh industrial environments
- ☑ Cat 6A cables deliver 10G transmission rates
- ☑ Halogen-free PUR jacket - UL AWM 20549 listed
- ☑ IP67-rated for dust and water resistance
- ☑ 360° shielding for optimal signal integrity



INDUSTRIAL CAT 6A SHIELDED ETHERNET CABLE

A-Key to A-Key

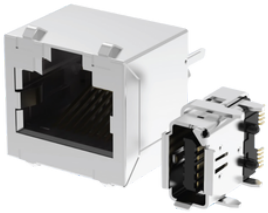
	A-Key Straight to A-Key Straight
	A-Key Downward Angled to A-Key Downward Angled
	A-Key Upward Angled to A-Key Upward Angled
	A-Key Straight to A-Key Downward Angled
	A-Key Straight to A-Key Upward Angled

Overview

Weltron® ix Industrial Cables replace conventional RJ45 connectors, offering a 75% smaller footprint with greater durability. Designed for connector-dense applications, they support parallel 10mm pitch mounting and daisy-chaining. With 5000 mating cycles and Cat 6A performance for 10 Gbps Ethernet, they ensure secure connections via metal snap-in hooks and a robust crimp interface. Meeting EN 50155 railway standards, they withstand shock, vibration, and 25N disengage force. Ideal for medical devices, Machine Vision, factory automation, robotics, PoE, and industrial switches, ix connectors thrive where RJ45 fails in high-motion environments.

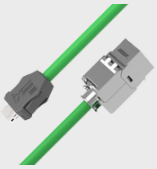
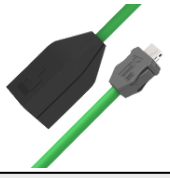
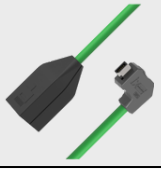
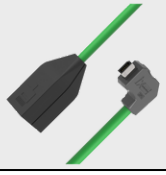
SPACE SAVING DESIGN

Standard RJ45



ix Industrial

A-Key to RJ45

 A-Key Straight to RJ45 Keystone Jack	 A-Key Upward Angled to RJ45 Male Straight	 A-Key Straight to RJ45 Male Straight
 A-Key Upward Angled to RJ45 Keystone Jack	 A-Key Straight to RJ45 Female	 A-Key Downward Angled to RJ45 Male Straight
 A-Key Downward Angled to RJ45 Keystone Jack	 A-Key Downward Angled to RJ45 Female	 A-Key Upward Angled to RJ45 Female

INDUSTRIAL CAT 6A SHIELDED ETHERNET CABLE

A-Key to M12 D-Code

A-Key Straight to M12 D-Code Male Straight	
A-Key Downward Angled to M12 D-Code Male Straight	
A-Key Upward Angled to M12 D-Code Male Straight	
A-Key Straight to M12 D-Code Male 90° Angled	
A-Key Downward Angled to M12 D-Code Male 90° Angled	
A-Key Upward Angled to M12 D-Code Male 90° Angled	
A-Key Straight to M12 D-Code Female Straight	
A-Key Downward Angled to M12 D-Code Female Straight	
A-Key Upward Angled to M12 D-Code Female Straight	

A-Key to M12 X-Code

	A-Key Straight to M12 X-Code Male Straight
	A-Key Downward Angled to M12 X-Code Male Straight
	A-Key Upward Angled to M12 X-Code Male Straight
	A-Key Straight to M12 X-Code Male 90° Angled
	A-Key Downward Angled to M12 X-Code Male 90° Angled
	A-Key Upward Angled to M12 X-Code Male 90° Angled
	A-Key Straight to M12 X-Code Female Straight
	A-Key Downward Angled to M12 X-Code Female Straight
	A-Key Upward Angled to M12 X-Code Female Straight

M12 L-CODE INDUSTRIAL POWER CABLE ASSEMBLIES

APPLICATIONS

- Industrial communications
- Industrial machinery
- Robotics
- Material handling
- Industrial control & factory automation
- Test equipment; I/O connectivity
- Sensors & actuators

KEY FEATURES

- Assemblies **handle up to 16A per pin**
- Connectors take up to **40% less space**
- **Halogen-free** PUR jacket
- Enclosure **rating IP67**
- **360° shielding**
- Bending cycles: **5 million flexes**
- Nominal voltage (Un): **63V**

M12 L-Code 4 POS

- Shielded
- 16AWG
- OD 7.2mm
- 12A per pin

M12 L-Code Male Straight to L-Code Male Straight	
M12 L-Code Male Straight to L-Code Female Straight	
M12 L-Code Male Straight to L-Code Female Right Angled	
M12 L-Code Male Right Angled to L-Code Female Straight	
M12 L-Code Female Right Angled to Open	
M12 L-Code Male Straight to Open	
M12 L-Code Male Right Angled to Open	
M12 L-Code Female Straight to Open	

M12 L-Code 5 POS

- Shielded
- 14AWG
- OD 10.4mm
- 16A per pin

	M12 L-Code Male Straight to L-Code Male Straight
	M12 L-Code Male Straight to L-Code Female Straight
	M12 L-Code Male Straight to L-Code Female Right Angled
	M12 L-Code Male Right Angled to L-Code Female Straight
	M12 L-Code Male Straight to Open
	M12 L-Code Male Right Angled to Open
	M12 L-Code Female Straight to Open

M12 X-CODED 10G FUTURE-PROOF INDUSTRIAL ETHERNET CABLE ASSEMBLIES

Key Features

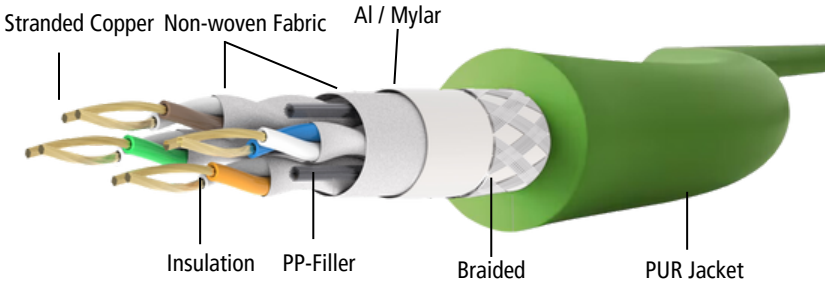
- ☑ Drag chain resistant up to 10 million flexes
- ☑ Torsion resistant up to 3 million flexes
- ☑ Oil resistant for harsh industrial environments
- ☑ Cat 6A cables deliver 10G transmission rates
- ☑ UL AWM 20549 listed halogen-free PUR jacket
- ☑ IP67-rated for dust and water resistance
- ☑ 360° shielding for optimal signal integrity
- ☑ M12 X-Code connectors with 8 poles

CONNECTORS



The 12-millimeter locking thread ensures secure connections in washdown and corrosive applications, making it ideal for communications, factory automation, robotics, transportation, and food/beverage industries.

CABLE STRUCTURE



M12 X-Coded Male Straight to Male Straight			M12 X-Coded Male Straight to Male Right Angle
M12 X-Coded Male Straight to Female Straight			M12 X-Coded Male Right Angle to Female Straight
M12 X-Coded Male Straight to RJ45 Male Straight			M12 X-Coded Male Right Angle to RJ45 Male Straight
M12 X-Coded Male Straight to A-Key Straight			M12 X-Coded Male Straight to RJ45 Male with Horizontal Screws