IndustrialNet™ A-Code Overmolded Cordsets

PANDUIT®

specifications

Industrial sensor cordsets shall be constructed of industrial grade, PUR cable. Each cordset shall be pre-terminated and overmolded to include A-Code M12 or M8 industrial plugs on each end which are wired according to the IEC 61076-2-101 standards. The cable jacket shall be flame retardant (CM) for industrial applications. Cordset connectors shall not permit the ingress of water according to the specification IEC 60529, IP67.

technical information

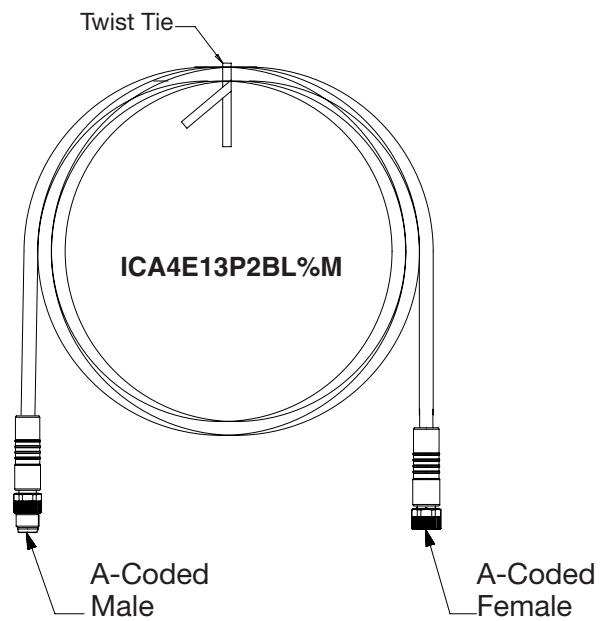|	
FCC and ANSI compliance:	Meets ANSI/TIA-1096-A; contacts plated with 50 micro-inches of gold for superior performance
IEC compliance:	• ANSI/TIA-1005-A: Telecommunications Infrastructure Standard for Industrial Premises • IEC 61076-2-101 Connectors for Electronic Equipment: Circular connectors – Detail specification for connectors with M 12 x 1, or M 8 x 1, screwlocking
IP compliance:	Rated IP67 for dust protection and temporary liquid immersion
RoHS compliance:	Compliant
Temperature rating:	-40° to +75°C (-40° to +167°F)
Materials:	Constructed of 24 AWG unshielded industrial grade PUR cable and IP67 overmolded connectors; Coupling nut: nickel plated over copper-zinc alloy; Contact pins: gold plated over copper-zinc alloy
NEMA/UL compliance:	NEMA, 1, 3 ,4, 6, 6P and IEC IP67, UL Type 12

key features and benefits
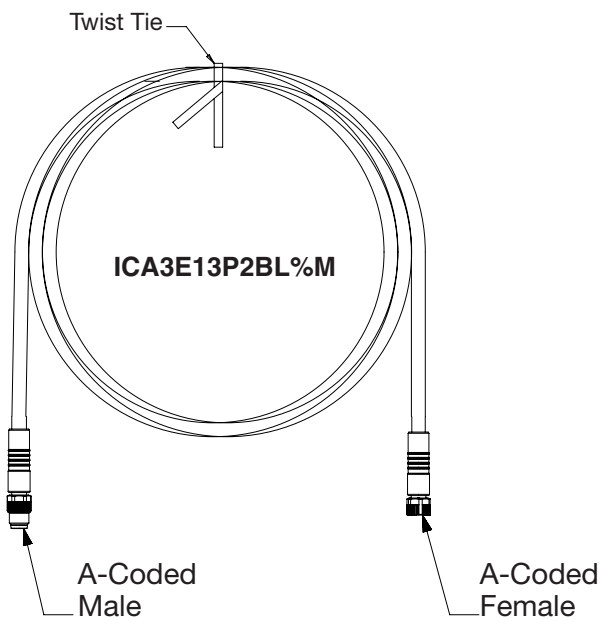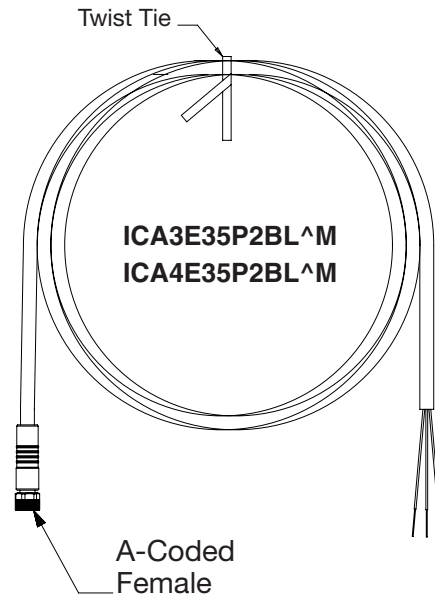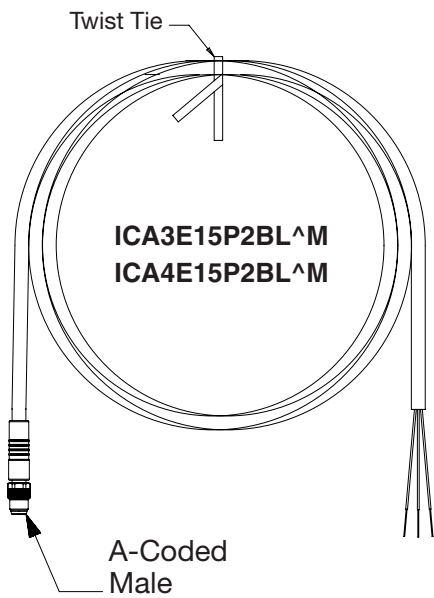
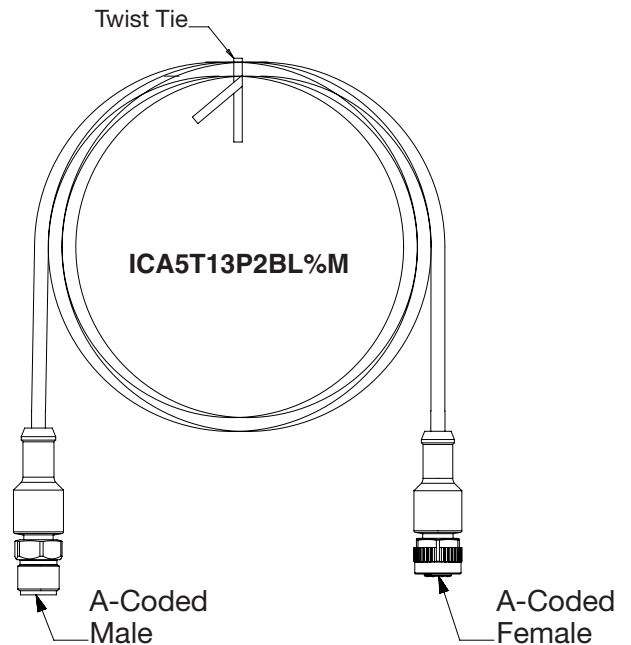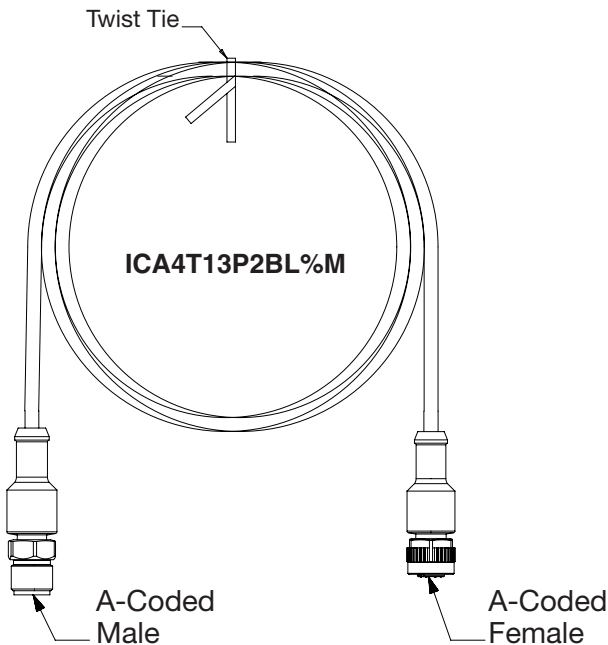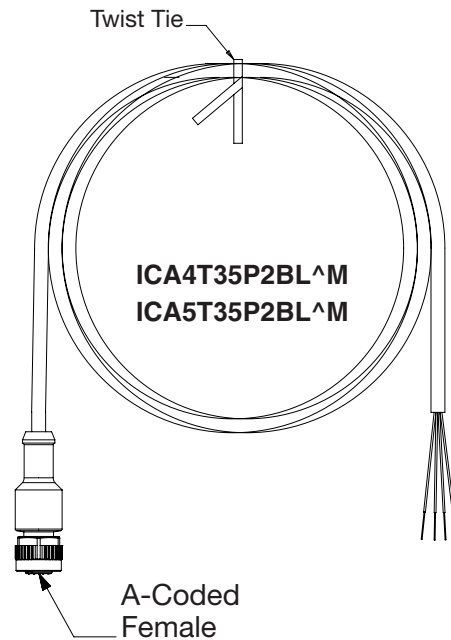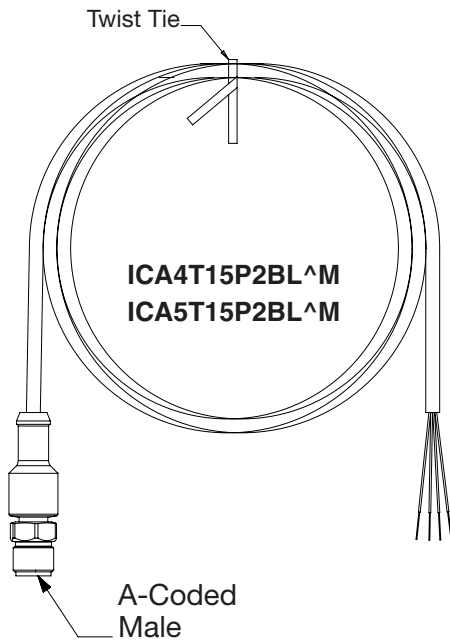|	
IP/NEMA/UL/CE rated	Withstands light wash down and temporary submerged conditions without loss of performance to ensure reliability in harsh factory environments
PUR jackets	Protects cable against weld splatter, chemicals and abrasions; suitable for high-flex applications for increased reliability
Factory terminated	Helps reduce termination errors in the field; assures reliability and saves time
Extended temperature range	Provides durable connection in extreme conditions to increase system; reliability
100% Performance Tested	Factory tested provides confidence that each patch cord delivers specified performance
Extended temperature range	Provides durable connection in extreme conditions to increase system
Robust construction	Rated to 10 million flex cycles, providing durability and reliability

applications

IndustrialNet™ M12 & M8 A-Code Overmolded Cordsets provide fast, reliable connections from machines and devices to I/O blocks and switches. The cordsets are rated to IP67, UL Type 12, and M.I.C.E., ensuring high performance and longevity under harsh environmental conditions.

In mated conditions, these cordsets can withstand high temperature and high vibration commonly found in harsh applications such as automotive, machinery OEM, food and beverage, oil and gas, transportation and mining.

IndustrialNet™ M8 & M12 A-Code Overmolded Cordsets

M8 3-pin male A-Code:
ICA3E15P2BL%M

M8 3-pin female A-Code:
ICA3E35P2BL%M

M8 4-pin male A-Code:
ICA4E15P2BL%M

M8 4-pin female A-Code:
ICA4E35P2BL%M

M12 4-pin male A-Code:
ICA4T15P2BL%M

M12 4-pin female A-Code:
ICA4T35P2BL%M

M12 5-pin male A-Code:
ICA5T15P2BL%M

M12 5-pin female A-Code:
ICA5T35P2BL%M

M8 3-pin male, female, A-Code:
ICA3E13P2BL^M

M8 4-pin male, female, A-Code:
ICA4E13P2BL^M

M12 4-pin male, female, A-Code:
ICA4T13P2BL^M

M12 5-pin male, female, A-Code:
ICA5T13P2BL^M

% Available lengths: 2, 5, and 10 meters
^ Available lengths: 1, 2, 3, 5, and 10 meters

IndustrialNet™ A-Code Overmolded Cordsets

Twist Tie

ICA3E15P2BL^M
ICA4E15P2BL^M

A-Coded
Male

Twist Tie

ICA3E35P2BL^M
ICA4E35P2BL^M

A-Coded
Female

Twist Tie

ICA3E13P2BL%M

A-Coded
Male

A-Coded
Female

Twist Tie

ICA4E13P2BL%M

A-Coded
Male

A-Coded
Female

IndustrialNet™ A-Code Overmolded Cordsets

Twist Tie

ICA4T15P2BL^M
ICA5T15P2BL^M

A-Coded
Male

Twist Tie

ICA4T35P2BL^M
ICA5T35P2BL^M

A-Coded
Female

Twist Tie

ICA4T13P2BL%M

A-Coded
Male

A-Coded
Female

Twist Tie

ICA5T13P2BL%M

A-Coded
Male

A-Coded
Female

For a copy of Panduit product warranties, log on to www.panduit.com/warranty

For more information
Visit us at www.panduit.com
Contact Customer Service by email: cs@panduit.com
or by phone: 800.777.3300

PANDUIT®