



READ THIS FIRST

Technical Bulletin

M12 Field Connector
4-Conductor Molded Cordset
5-Conductor Molded Cordset

Revision 5.2 Document 1142

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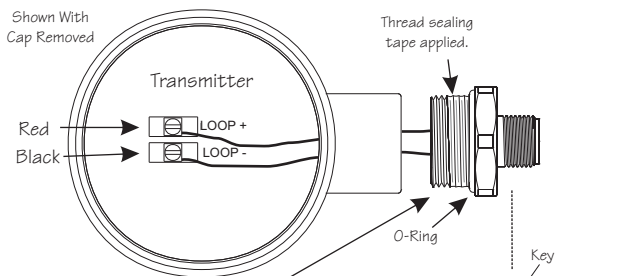
Phone: 518-922-5315 or 800-833-0081
Fax: 518-922-8997 or 800-726-6733



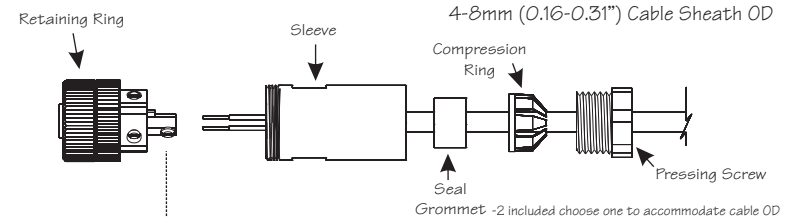
Field Wireable Connector Assembly

CABLE REQUIREMENTS

2 conductor, stranded, 18-24 AWG,
shielded with ground.
4-8mm (0.16-0.31") Cable Sheath OD



To install the Receptacle tighten until metal to metal contact is made. When done properly the O-Ring should no longer be visible.

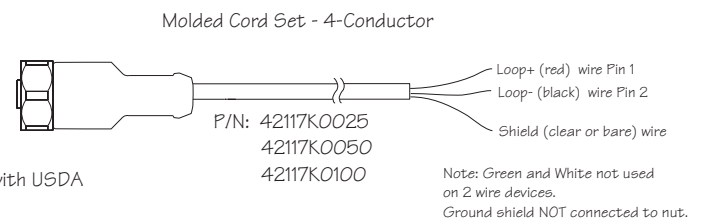
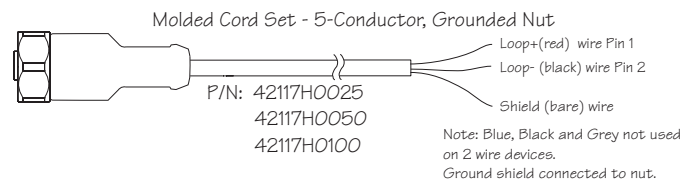
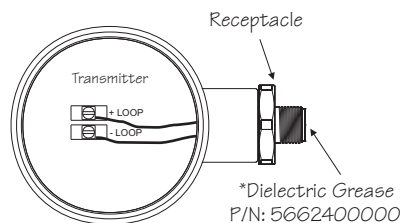


1. Insert cable through Pressing Screw, Compression Ring, Seal Grommet, and Sleeve as shown below.
2. Strip back 1-1/4" of outer sheathing, cut off any excess wires, shield and ground. Strip off 1/4" insulation from remaining two wires. It is not necessary or recommended to tin the wires.
3. Orient Connector end so that center pin connecting screw is horizontal facing right (see detail).

4. Wire LOOP+ (red) wire to top-right terminal, and LOOP- (black) wire to top-left terminal. No connection is made to the center and bottom terminals.
5. Screw on the Sleeve. Hand-tighten only.
6. Press the Seal Grommet into the Sleeve and hand-tighten the Pressing Screw.
7. Use a wrench to tighten the Pressing Screw another 3/4 turn. Do not over-tighten!

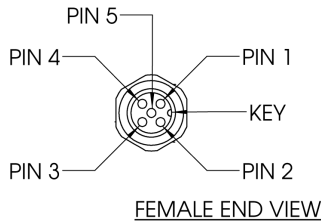
Attaching The Connector To The Transmitter

To install connector, simply line up key, press into receptacle, and hand-tighten the retaining ring.

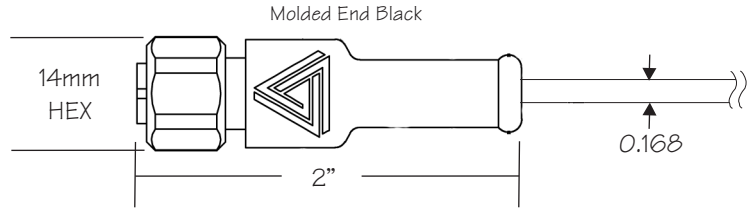


*In wet or corrosive environments it is recommended that the receptacle pins be coated with USDA approved dielectric grease to minimize possibility of corrosion.

Molded Cordset - 4-Conductor



PIN OUT	WIRE COLOR
PIN 1	RED
PIN 2	BLACK
PIN 3	GREEN
PIN 4	N/A
PIN 5	WHITE
NUT	N/A



Part Number	Length
42117K0025	25 ft
42117K0050	50 ft
42117K0100	100 ft

SPECIFICATIONS

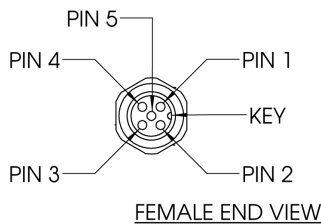
Connector:	5 Pin Eurofast Style Female
Contact Carrier Material/Color:	Pur/Black
Molded Head Material/Color:	Pur/Black
Contact Material/Plating:	Brass/Gold
Coupling Nut:	14mm HEX
Shielding Sleeve:	N/A
Rated Current:	4.0 A
Rated Voltage:	250V
Outer Cable Jacket Material/Color:	PVC/Black
Conductor Insulation Material:	PVC
Number of Conductors:	4 x 24 AWG - Pin 4 Not Used
Drain Shield:	24 AWG Drain / Foil Shield
Temp Range:	-40C to +80C
Protection Class:	Meets NEMA 1, 3, 4X, 6P and IEC IP68, 69k

NOTE:

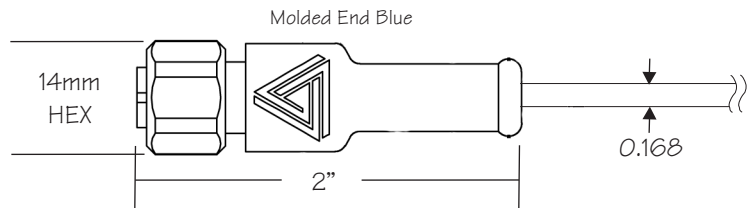
Pin 4 not Connected.

For best EMI protection drain shield should be grounded at junction.

Molded Cordset - 5-Conductor



PIN OUT	WIRE COLOR
PIN 1	RED
PIN 2	BLACK
PIN 3	GREEN
PIN 4	BROWN
PIN 5	WHITE
NUT	SHIELD



Part Number	Length
42117H0025	25 ft
42117H0050	50 ft
42117H0100	100 ft

SPECIFICATIONS

Connector:	5 Pin Eurofast Style Female
Contact Carrier Material/Color:	Pur/Black
Molded Head Material/Color:	Pur/Blue
Contact Material/Plating:	Brass/Gold
Coupling Nut:	14mm HEX
Shielding:	100% Shield coverage
Rated Current:	4.0 A
Rated Voltage:	250V
Outer Cable Jacket Material/Color:	PVC/Black
Conductor Insulation Material:	PVC
Number of Conductors:	5 x 24 AWG - Pin 4 Not Used
Drain Shield:	24 AWG Drain wire / Foil Shield
Temp Range:	-40C to +80C
Protection Class:	Meets NEMA 1, 3, 4X, 6P and IEC IP68, 69k

NOTE:

Drain shield connected to coupling. Additional grounding not required or recommended.