



READ THIS FIRST

Technical Bulletin

M12 Field Connector
Standard Molded Cordset
Heavy Duty Molded Cordset

Revision 4.0 Document 1142

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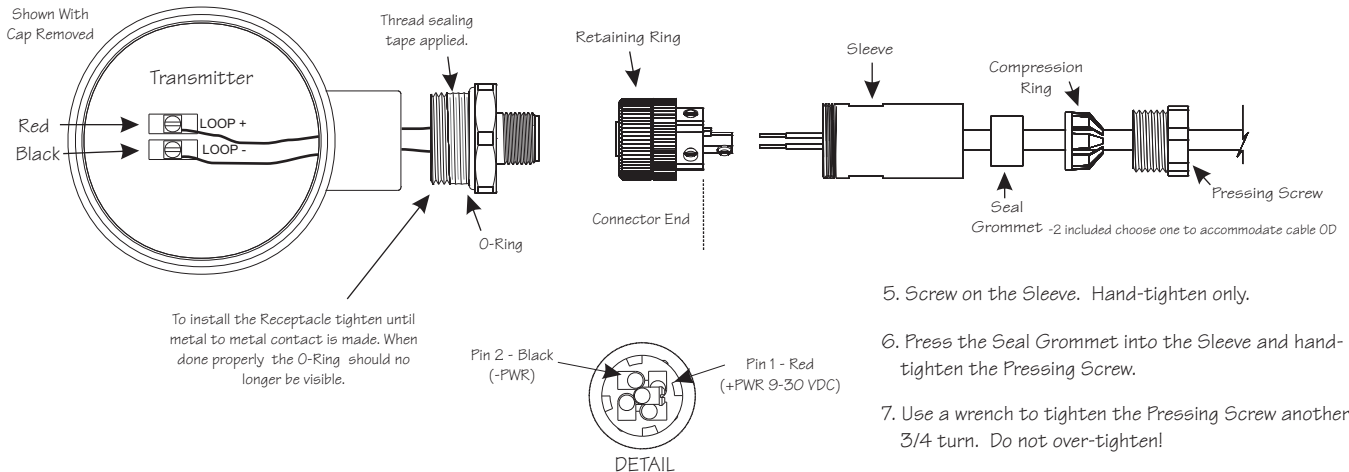
Field Wireable Connector Assembly

CABLE REQUIREMENTS

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).

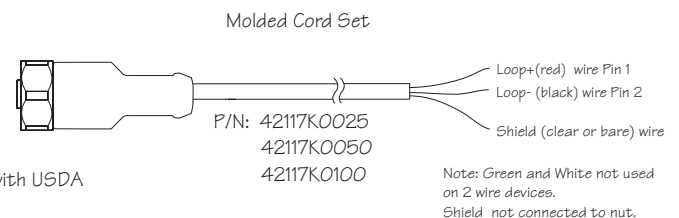
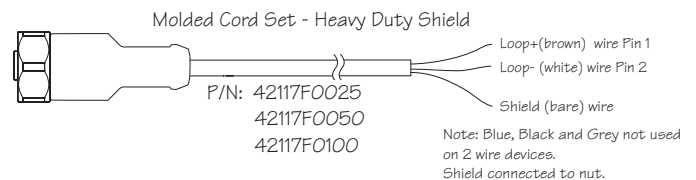
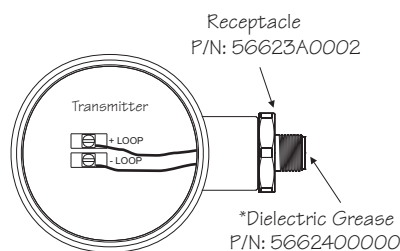
- 2 conductor, stranded, 18-24 AWG, shielded with ground.
4-8mm (0.16-0.31") Cable Sheath OD
4. Wire LOOP+ (red) wire to top-right terminal, and LOOP- (black) wire to top-left terminal. No connection is made to the center and bottom terminals.



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!

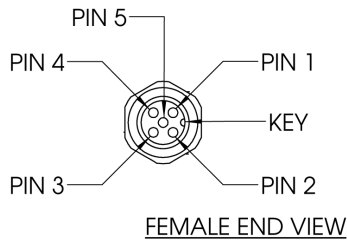
Attaching The Connector To The Transmitter

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

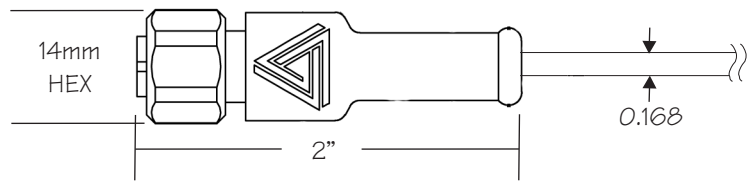


*In wet or corrosive environments it is recommended that the receptacle pins be coated with USDA approved dielectric grease to minimize possibility of corrosion.

Standard Molded Cordset



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

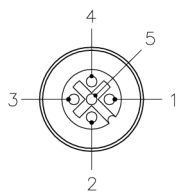
Connector:	5 Pin Eurofast Style Female
Contact Carrier Material/Color:	Pur/Black
Molded Head Material/Color:	Pur/Black
Contact Material/Plating:	Brass/Gold
Coupling Nut Material/Shape:	300 Series Stainless/14mm HEX
Shielding Sleeve:	N/A
Rated Current:	4.0 A
Rated Voltage:	250V
Outer Cable Jacket Material/Color:	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:

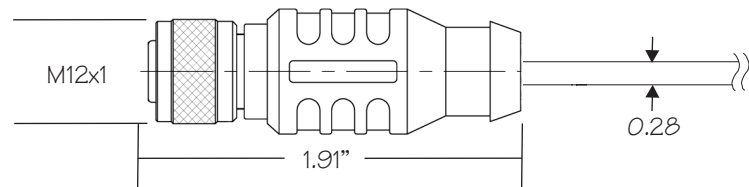
For best EMI protection drain shield should be grounded at junction.

Heavy Duty Cordset

FEMALE END VIEW



1 =	BROWN
2 =	WHITE
3 =	BLUE
4 =	BLACK
5 =	GRAY



Part Number	Length
42117F0025	25 ft
42117F0050	50 ft
42117F0100	100 ft

SPECIFICATIONS

Connector:	5 Pin Eurofast Style Female
Contact Carrier Material/Color:	Pur/Black
Molded Head Material/Color:	Thermoplastic PUR/Yellow
Contact Material/Plating:	Brass/Gold
Coupling Nut Material/Shape:	316 Stainless Steel/Knurled
Shielding Sleeve:	Brasas/Nickel
Rated Current:	4.0 A
Rated Voltage:	250V
Outer Cable Jacket Material/Color:	PVC/Gray
Conductor Insulation Material:	PVC
Number of Conductors:	5 x 22 AWG
Drain Shield:	22 AWG Drain / Foil and Braided Shield
Temp Range:	-40C to +105C (-40F to +221F)
Protection Class:	Meets NEMA 1, 3, 4, 6P and IEC Ip68

NOTE:

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