

**FEATURES:**

- Make contact with insulated wires without cutting or stripping insulation
- Spring loaded double V clamp holds wire centered for piercing needle
- Pierces insulation on wires from 22 to 14 AWG (0.030" through 0.180" diameter)
- Tiny hole left in insulation can easily be sealed
- High visibility bright yellow body
- 6580 extended length probe has heat resistant Teflon® sleeve.
- 6405 and 6580 mates with standard .16" (4 mm) banana plug test leads, with or without safety shroud (e.g. 5907A or "B" series patch cords).
- 6413 mates with standard .080" (2 mm) standard pin tip test probe (e.g. 5519A).
- Red or black color-coded cap for easy identification
- Rotating banana jack will not twist test lead while the needle is screwed into wire

**MATERIALS:**

Piercing tip: hardened stainless steel  
Spring: steel  
Jack: brass

**6405 and 6413:**

Banana jack, body and tip: nylon red or black caps with high visibility yellow nylon.

**6580 series :**

Banana jack and body: red or black caps with high visibility yellow nylon.  
Tube: Brass encapsulated with high yellow visibility Teflon® insulation.  
Tip: Zytrel ST801

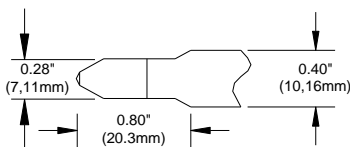
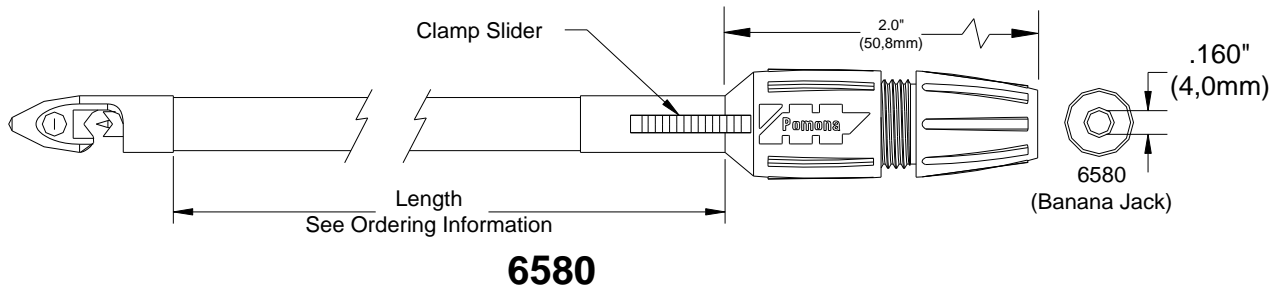
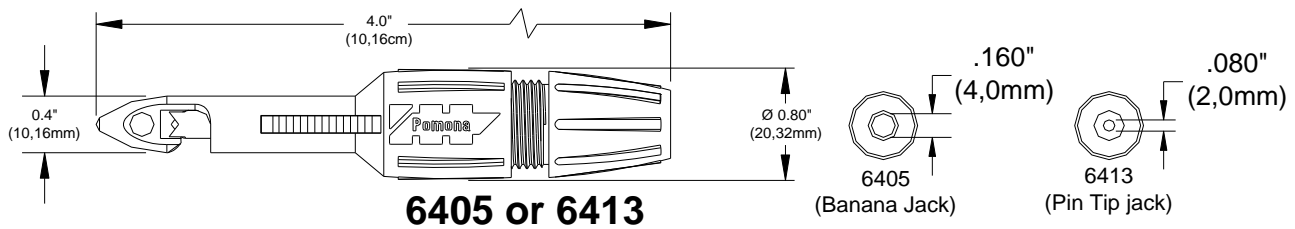
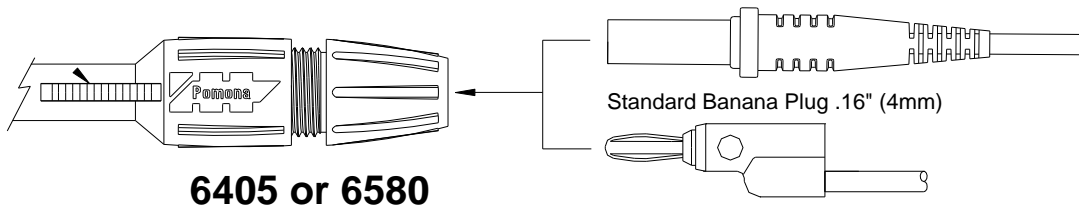
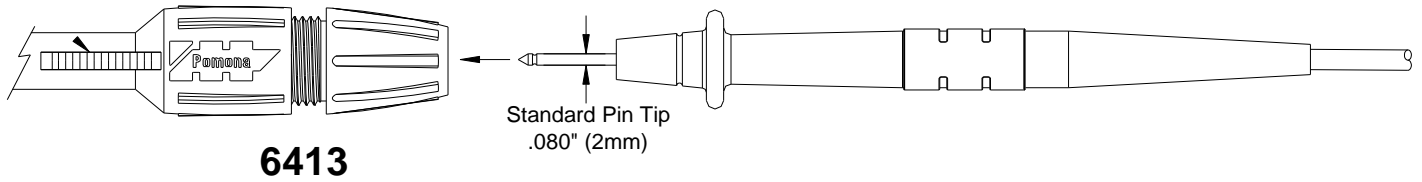
**RATINGS:**

Operating Voltage: 33Vrms or 70Vdc Max.  
Current: 1 Amperes Max.

**ORDERING INFORMATION:**

6405: for banana plug connections, set includes two clips, one red and one black  
6413: for pin tip connections, set includes two clips, one red and one black  
6580-12-0: for banana plug connections, black, 12.0" (30 cm) in length.  
6580-12-2: for banana plug connections, red, 12.0" (30 cm) in length.  
6580-24-0: for banana plug connections, black, 24.0" (60 cm) in length.  
6580-24-2: for banana plug connections, red, 24.0" (60 cm) in length.

All dimensions are in inches. Tolerances (except noted): .xx = ±.02" (.51 mm), .xxx = ±.005" (.127 mm).  
All specifications are to the latest revisions. Specifications are subject to change without notice.  
Registered trademarks are the property of their respective companies.



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Sales: 800-490-2361 Fax: 888-403-3360 Technical Assistance: 800-241-2060  
For "Where to Buy" information, visit the Pomona web site at [www.pomonaelectronics.com](http://www.pomonaelectronics.com)