DIY Straight 4 mm Banana (male) Plug

Features

Solder wire attachment

The design of the plug makes easy soldering of wires

Because of the threads on the metal part and the plastic part, the plug can be dismantled for repairing the connection

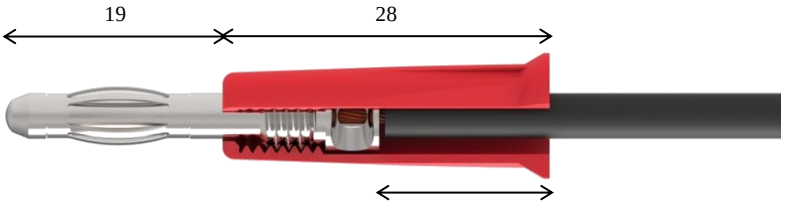
Because of the length of the strain-relief the wire is well protected against bending

Applications

To repair and make 4mm banana leads

Specification

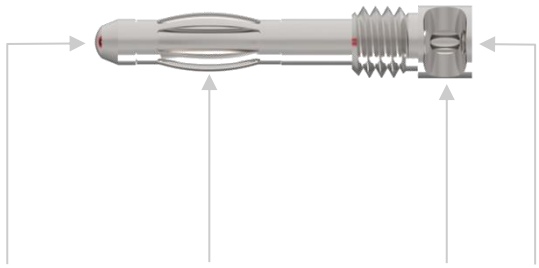
Electrical protection	33 V AC / 70 V DC , 36 A
Operating Temperature Range	-20 °C...+80 °C



Cross-section of the plastic part, depth of the wire strain-relief : 15 mm.

Because of the length of the strain-relief the wire is well protected against bending.

Metal part.



Plastic part.

The 4 mm banana male connection complies with the 4 mm banana sockets of the worldwide most famous manufacturers.

The design and the material of the lantern contact spring meet the need of low resistance and reliability.

Room to solder the wire to the metal part.

Hole to slip the strands of the wire into.

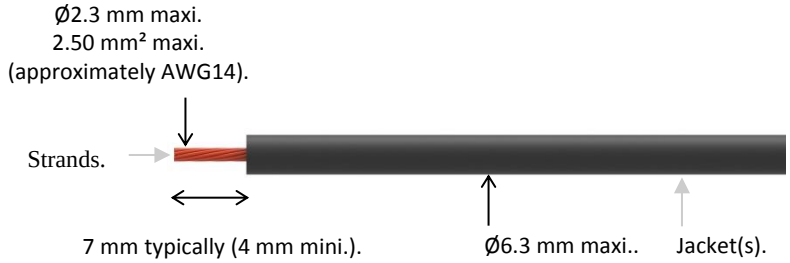
The design of the plug makes easy soldering of wires. The benefit of soldering is to repair or make several leads quickly.

Because of the threads on the metal part and the plastic part, the plug can be dismantled for repairing the connection.

DIY Straight 4 mm Banana (male) Plug

How to use, to attach a wire

Step 1 of 6. I gather a solder iron (150 W maxi.), some (lead or lead-free) tin solder wire, a stranded or solid wire with the specifications below, and a tool to strip the wire. I strip the end of the wire on 7 mm typically (4 mm at least).



Step 2 of 6. If the plastic part is screwed on the metal part then I unscrew it and separate them.

Step 3 of 6. I slip the stripped end of the wire into the hole of the metal part until it abuts as shown below.

Step 4 of 6. With the solder iron and the tin solder wire I solder the wire to the metal part (it complies with both lead-free tin and lead-tin).

Step 5 of 6. I insert the metal part into the plastic part ; I push the metal until it abuts against the plastic part.

Step 6 of 6. I hold the metal part, I hold the plastic part, I rotate to screw until the metal part abuts against the plastic part (2.3 N.m maxi. torque).

The plug is ready to use.

RND Part Nr.	Colour
RND 350-00137	Black
RND 350-00138	Red