

## Information sheet IS0047

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This sheet describes the various types of Bullet Terminals available and their uses.

Bullet Terminals are used to terminate the cable ends on the wiring harnesses (often called a Loom) of many Classic British cars as well as many from other parts of the world and were extremely common before the advent of multi-plugs.

Designed to be crimped onto the cable, using a special hexagonal crimp tool (Part No: RTR9277), they can also be soldered if required.

Note: - There are other tools on the market that squeeze the bullet terminal at two points only. Whilst these will do the job, the electrical connection is never as good as that achieved with the inexpensive 6 point crimping tool mentioned above.

The bullets are manufacture from a ductile grade of brass that ensures the bullets are soft enough to crimp whist being hard enough to ensure a long life without breakage. They are then tin plated to ensure they cannot corrode and to greatly increase the conductivity between the conductor and the bullet on the inside and the bullet and its receptor on the outside.

It is important to use the correct bullet for the cable being terminated to ensure an electrically and mechanically perfect crimp. The table below will assist with ensuring the correct bullet is used every time.

Part Number 27H6713 type is used on Lucas lamps often for the earth connection. No crimp is required; the stripped conductor is inserted through the bullet, passed back over the bullet and then inserted into the receptors thus trapping the conductor wires between the bullet and the receptor.

Part Number 003632 is intended for soldering only and is therefore not suitable for crimping.

The reference to 'Rear Crimp' in the table below refers to the section of reduced diameter at the back of the bullet that, on bullets intended for PVC covered wire, is crimped to secure the PVC insulation; this being in addition to the main crimp area in the centre of the bullet which effects the electrical connection to the stripped conductor.

Part Number	Identification	Figure No.	Insulation Type	Cable Size Application
RTR8097	No rings, with rear crimp	1	PVC	1.16mm diameter conductor hole for 14/.025mm or 9/.03mm (0.65 mm <sup>2</sup> ) wire. With rear crimp
RTR8097-1	One ring, with no rear crimp	5	Cloth	1.16mm diameter conductor hole for 14/.025mm or 9/.03mm (0.65 mm <sup>2</sup> ) wire. Without rear crimp
RTR8034	Two rings, with rear crimp	2	PVC	1.43mm diameter conductor hole for 14/.03mm (1.0mm <sup>2</sup> ) wire. With rear crimp
RTR8034-1	Two rings, with no rear crimp	6	Cloth	1.43mm diameter conductor hole for 14/.03mm (1.0mm <sup>2</sup> ) wire. Without rear crimp
RTR8035	No rings, with no rear crimp	3	PVC or Cloth	1.91mm diameter conductor hole for 28/.03mm (2.0 mm <sup>2</sup> ) wire. Without rear crimp
RTR8445	No rings, flared end	7	PVC or Cloth	2.5mm diameter conductor hole for 44/.03mm wire. Without rear crimp
27H6713	Thin walled material, Bell shape	4	PVC or Cloth	2mm diameter conductor hole. Bell shaped push through type.
003632	No rings, rounded groove	8	PVC or Cloth	Solder type with 3mm diameter conductor hole

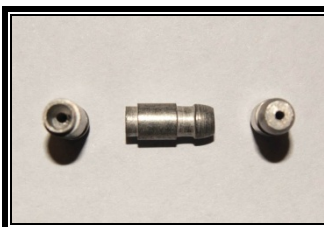


Figure1 RTR8097 Plain body, insulation crimp

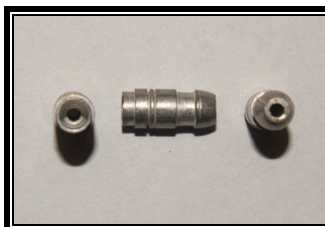


Figure2 RTR8034 Two rings on the body, insulation crimp

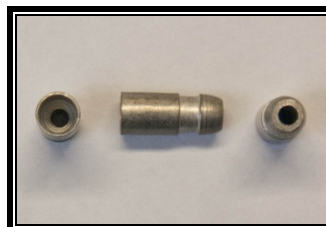


Figure3 RTR8035 Plain body, no insulation crimp



Figure4 27H6713 Bell type



Figure5 RTR8097-1 One ring on the body, no insulation crimp



Figure6 RTR8034-1 Two rings on the body, no insulation crimp



Figure7 RTR8445 Plain body, no insulation crimp, flared end



Figure8 003632 Solder type