



## Complete UTL evaluation kit it: designed to simplify ordering and assembly.

Accommodates a variety of cable variations, each kit comes complete with contacts, connector housing and cable boot.

Connector type	Boot	Male insert		Female insert	
		Part number	Contact part number & quantity	Part number	Contact part number & quantity
Plug	1	UTL6103G1P20AWG	SM20ML1S31 x 4 SC20ML1S31 x 2	UTL6103G1S20AWG	SM20ML1S31 x 2 SC20ML1S31 x 4
	1	UTL6103G1P16AWG	SM16ML1S31 x 4 SC16ML1S31 x 2	UTL6103G1S16AWG	SM16ML1S31 x 2 SC16ML1S31 x 4
	1	UTL6103G1P14AWG	SM14ML1S31 x 4 SC14ML1S31 x 2	UTL6103G1S14AWG	SM14ML1S31 x 2 SC14ML1S31 x 4
Inline receptacle	1	UTL1103G1P20AWG	SM20ML1S31 x 4 SC20ML1S31 x 2	UTL1103G1S20AWG	SM20ML1S31 x 2 SC20ML1S31 x 4
	1	UTL1103G1P16AWG	SM16ML1S31 x 4 SC16ML1S31 x 2	UTL1103G1S16AWG	SM16ML1S31 x 2 SC16ML1S31 x 4
	1	UTL1103G1P14AWG	SM14ML1S31 x 4 SC14ML1S31 x 2	UTL1103G1S14AWG	SM14ML1S31 x 2 SC14ML1S31 x 4
Jam nut receptacle	1	UTL7103G1P20AWG	SM20ML1S31 x 4 SC20ML1S31 x 2	UTL7103G1S20AWG	SM20ML1S31 x 2 SC20ML1S31 x 4
	1	UTL7103G1P16AWG	SM16ML1S31 x 4 SC16ML1S31 x 2	UTL7103G1S16AWG	SM16ML1S31 x 2 SC16ML1S31 x 4
	1	UTL7103G1P14AWG	SM14ML1S31 x 4 SC14ML1S31 x 2	UTL7103G1S14AWG	SM14ML1S31 x 2 SC14ML1S31 x 4
Square flange receptacle	-	UTL0103G1P20AWG	SM20ML1S31 x 4 SC20ML1S31 x 2	UTL0103G1S20AWG	SM20ML1S31 x 2 SC20ML1S31 x 4
	-	UTL0103G1P16AWG	SM16ML1S31 x 4 SC16ML1S31 x 2	UTL0103G1S16AWG	SM16ML1S31 x 2 SC16ML1S31 x 4
	-	UTL0103G1P14AWG	SM14ML1S31 x 4 SC14ML1S31 x 2	UTL0103G1S14AWG	SM14ML1S31 x 2 SC14ML1S31 x 4



## Evaluation kit assembly

The boot is semi-flexible and heat-shrinkable with a moldable adhesive inner lining.

- 1 - Place the heat shrink boot over the cable
- 2 - Strip the cable jacket (see page 33)
- 3 - Strip the individual wires (see page 31)
- 4 - Crimp the contacts
- 5 - Place the contacts in their cavities, checking the retention by slightly pulling the cable
- 6 - Clean the connector surface and the cable jacket with isopropyl alcohol  
(Note: It is advised to rub the jacket with sand paper and clean the jacket before shrinking the boot)
- 7 - Position the boot over the rear threads
- 8 - Heat the boot with a heat gun: minimum shrink temp: 80°C - minimum full recovery temp: 110°C  
make sure to apply the heat evenly around the boot. Starting by applying the heat from the rear of the connector.  
Do not apply excessive heat, as it will damage the connector and/or boot.
- 9 - Let the boot cool down
- 10 - Check for good retention and the boot glue grip.

