



Scotchlok™ Connectors and Tools

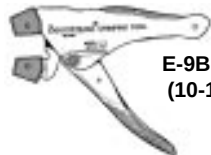
Instructions

July 1994
Issue 2, 80-6107-4684-6

1.800.561.8187

www.itm.com

information@itm.com

Scotchlok™ Connector	Type Connection	Maximum Insulation O. D. in mm	Cable Type				Approved Tools To reduce fatigue, use tool within each splicing group with highest mechanical advantage indicated in ().	
			PIC-unfilled	PIC-filled	Pulp or Paper			
			AWG mm	AWG mm	AWG mm			
Butt Splicing								 E-9BM (10-1)  E-9C/CW (7-1)  E-9E (4-1)  E-9Y (3-1)  E-9E (4-1)  E-9BM (10-1)  E-9Y (3-1)
 * UR2		.082 2.08	19-26 .9-.4	19-26 .9-.4	N A			
 ** UR2-D		.082 2.08	19-26 .9-.4	19-26 .9-.4	19-26 .9-.4			
 * UY2		.082 2.08	19-26 .9-.4	19-26 .9-.4	N A			
 ** UY2-D		.082 2.08	19-26 .9-.4	19-26 .9-.4	19-26 .9-.4			
 *** UP2		.060 1.52	22-26 .7-.4	22-26 .7-.4	22-26 .7-.4			
 *** UP3		.066 1.67	19-26 .9-.4	22-26 .7-.4	19-26 .9-.4			
 * 211		.082 2.08	19-26 .9-.4	19-26 .9-.4	19-26 .9-.4			
Tap Splicing								 E-9BM (10-1)  E-9E (4-1)  E-9Y (3-1)
 * UB2A		.082 2.08	19-26 .9-.4	19-26 .9-.4	N A			
 ** UB2A-D		.082 2.08	19-26 .9-.4	19-26 .9-.4	19-26 .9-.4			
 *** UPB		.050 1.27	22-26 .7-.4	24-26 .5-.4 Can be used on 22 (.7) foam insulated cable	22-26 .7-.4			
In Line Splicing								 E-9BM (10-1)
 * UDW2		.175 4.4	Self-stripping drop wire connector designed to accommodate copper or copper clad steel conductors 16-19 AWG (1.3-0.9 mm) in strain relief areas. Ideal for use on Alpha Duct GT-7, Alpha TEL, F-Drop and C-Drop.					
Clear / Cap Only								ALL TOOLS APPROVED FOR BUTT SPLICING MAY BE USED
 * UCC		.060 1.52	22-26 .7-.4	22-26 .7-.4	N A			
 *** UPC		.060 1.52	22-26 .7-.4	22-26 .7-.4	22-26 .7-.4			

* Filled

** Unfilled

*** Unfilled - Flame Retardant

NA Not Applicable

Note: For health and safety information for sealant in filled Scotchlok Connectors, see package label or appropriate Material Safety Data Sheet.

UR2 UR2-D UY2 UY2-D UP2 UP3 UCC UPC

Trim, straighten
conductors



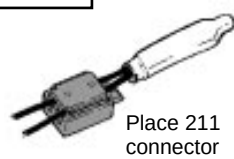
Separate, fully
insert conductors



Crimp with cap
side down



211

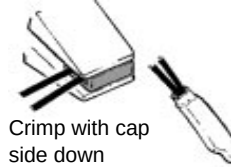


Place 211
connector

Connector to be
removed



Pre-crimp



Crimp with cap
side down

Test port



UB2A UB2A-D UPB

Place side slot
on run wire

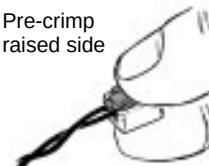


Pre-crimp

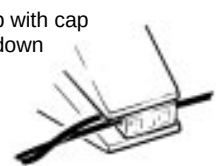


Twist, cut, insert
tap wire

Pre-crimp
raised side



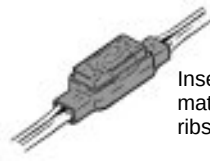
Crimp with cap
side down



UDW2



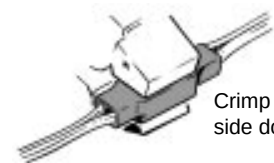
Cut and slit
drop wire 1- 1/4"



Insert fully
matching line or
ribs of drop wire



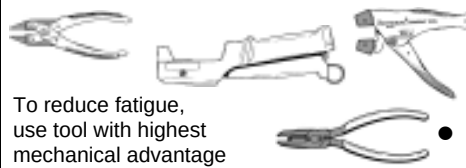
Pre-crimp



Crimp with cap
side down

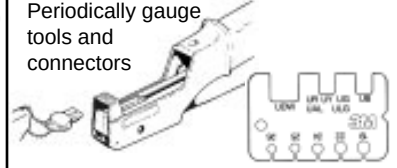
REMEMBER

On ratchet tools
(E-9C, E-9CH)
Squeeze handle until
ratchet releases



To reduce fatigue,
use tool with highest
mechanical advantage

Periodically gauge
tools and
connectors



- E9Y tool should **not** be used when crimping three 19 AWG/ .9 mm conductors