



# Scotchlok™

## UR, UY, and UB2 connectors

### Proven splicing technology designed for your specific splicing applications.

The 3M™ Scotchlok™ UR connector for general butt splicing.

The original Scotchlok connector, the UR, has proven its dependability over 25 years of telephone industry use. The UR connector accepts any two or three solid copper conductor combinations of 0,9 mm - 0,4 mm (19 - 26 AWG) air core or filled cable with a maximum insulation filled cable with a maximum insulation O.D. of 1,67 mm (.066").

Its three ports accept two or three conductors for butt splicing. Like most Scotchlok connectors, the UR connector is filled with a sealant to provide moisture resistance.

The UR connector is available in box, bulk, bin, cartridge and strip. The cartridges, containing ten connectors each, are for use with the 3M™ Scotchlok™ E-9C tool, while the strips, containing 100 connectors, are for use with the E-9CH tool.

The 3M™ Scotchlok™ UY connector for smaller splice bundles.

Approximately half the size of the UR, the UY connector can handle a higher pair count cable and keep the splicing bundle O.D. to a minimum.

The UY connector's two ports accept any two solid copper conductor combinations of 0,65 mm - 0,4 (22 - 26 AWG) filled or air core cable with a maximum insulation O.D. of 1,52 mm (.060"). Factory inserted sealant insulates the connections, protects against corrosion, and seals out moisture.

The UY connectors are available in box, bulk, bin, cartridge and strip.



The 3M™ Scotchlok™ UB2 connector: a unique timesaver for tap splicing.

The pre-crimp feature of this compact bridging connector gives the craftsperson a time-saving edge. By positioning the UB2 connector on the conductor and pre-crimping it in place, the craftsperson prevents the conductor on the run wire port from slipping out of the connector before the crimp is completed. Like the UYconnector, a factory-installed sealant insulates against corrosion, and seals out moisture.

The UB2 connector permits tapping directly onto an existing conductor without interrupting service. In ready access closures, the connector eliminates cutting cable pairs, opening pairs, and piercing out wires.

Faster and easier to work with than other bridging connectors, the UB2 accepts 19-26 AWG (.9 - .4 mm) plastic-, paper-, or pulp-insulated solid copper wire with a maximum O.D. of 2,08 mm (.082"). The wires joined can be of different wire gauges.










The UB2 connector is available in box and bin.

Scotchlok™ connectors from 3M...the quality connection for voice and data.

## Ordering Information

Scotchlok UR Connector	Scotchlok UY Connector	Scotchlok UB2 Connector
<b>Butt Connector</b> <b>Box</b> Packing: 100/box, 1000/cs., 1,36 kg (3 lbs)/cs. Shipping Unit: 1000 Connectors	<b>Butt Connector</b> <b>Box</b> Packing: 100/box, 1000/cs., 0,9 kg (1.3 lbs)/cs. Shipping Unit: 1000 Connectors	<b>Tap Connector</b> <b>Box</b> Packing: 100/box, 1000/cs., 1,2 kg (2.6 lbs)/cs. Shipping Unit: 1000 Connectors
<b>Bulk</b> Packing: 500/box, 5000/cs., 6,7 kg (15.2 lbs)/cs. Shipping Unit: 5000 Connectors	<b>Bulk</b> Packing: 1000/box, 5000/cs., 2,8 kg (6.1 lbs)/cs. Shipping Unit: 5000 Connectors	<b>Bin</b> Packing: 20/bag, 1000/bin, 1,1 kg (2.5 lbs)/cs. Shipping Unit: 1000 Connectors
<b>Bin</b> Packing: 20/bag, 1000/bin, 1,4 kg (3.0 lbs)/cs. Shipping Unit: 1000 Connectors	<b>Bin</b> Packing: 20/bag, 1000/bin, 0,68 kg (1.5 lbs)/cs. Shipping Unit: 1000 Connectors	
<b>Cartridge</b> Packing: 10/Cart, 100/pk, 1000/cs., 2,09 kg (4.6 lbs)/cs. Shipping Unit: 1000 Connectors (10 packs)	<b>Cartridge</b> Packing: 16/Cart, 160/pk, 1600/cs., 1,4 kg (3.5 lbs)/cs. Shipping Unit: 1600 Connectors (10 packs)	
<b>Strip</b> Packing: 100/strip, 1000/cs., 1,6 kg (3.6 lbs)/cs. Shipping Unit: 1000 Connectors	<b>Strip</b> Packing: 100/strip, 1000/cs., 0,86 kg (1.9 lbs)/cs. Shipping Unit: 1000 Connectors	

## Product Specifications

SCOTCHLOK CONNECTOR	TYPE CONNECTION	MAXIMUM INSULATION O.D.		PIC-unfilled		PIC-filled		Pulp or Paper*		APPROVED TOOLS
		in.	Metric (mm)	AWG	metric (mm)	AWG	metric (mm)	AWG	metric (mm)	
UR 		.066	1.67	19-26	0.9-0.4	22-26	0.7-0.4	19-26	0.9-0.4	<p>To reduce fatigue, use tool within each splicing group with highest mechanical advantage indicated in ( ).</p>   
UY 		.060	1.52	22-26	0.7-0.4	22-26	0.7-0.4	22-26	0.7-0.4	
UB2 		.066	1.67	19-26	0.9-0.4	22-26	0.7-0.4	19-26	0.9-0.4	

\*Use caution to make sure insulation is pushed completely into connector before crimping. Scotchlok Communication Connectors may be used on standard polyethylene wire insulation, the polypropylene wire insulation of Filled Cable and on pulp. Use of a connector is limited only to port size. Wire sizes may be intermixed within a connector.

\*\*The E-9Y tool is not recommended for crimping three 19 AWG conductors. With any tool, a complete crimp must be made to insure a proper connection.

## Important Notice

All statements, technical information, and recommendations related to Seller's products are based on information believed to be reliable, but the accuracy or completeness thereof is not guaranteed. Before utilizing the product, the user should determine the suitability of the product for its intended use. The user assumes all risks and liability whatsoever in connection with such use.

Any statements or recommendations of the Seller which are not contained in the Seller's current publications shall have no force or effect unless contained in an agreement signed by an authorized officer of Seller. The statements contained herein are made in lieu of all warranties, expressed or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose which warranties are hereby expressly disclaimed.

SELLER SHALL NOT BE LIABLE TO THE USER OR ANY OTHER PERSON UNDER ANY LEGAL THEORY, INCLUDING BUT NOT LIMITED TO NEGLIGENCE OR STRICT LIABILITY, FOR ANY INJURY OR FOR ANY DIRECT OR CONSEQUENTIAL DAMAGES SUSTAINED OR INCURRED BY REASON OF THE USE OF ANY OF THE SELLER'S PRODUCTS THAT WERE DEFECTIVE.

**3M**

### Telecom Systems Division

6801 River Place Blvd.  
Austin, TX 78726-9000  
800/426 8688  
FAX 800/626 0326



40% Pre-consumer waste paper  
10% Post-consumer waste paper

Litho in USA.

© 3M 1996 80-6102-8191-9 (116.5)xx-1