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## 3M™ Scotchlok™ IDC Butt Connector UY2/Box



**Gel filled for Moisture Resistance and for PIC Cable Applications, 2 wire, 19-26 AWG, 2.08mm/.082" Maximum Insulation O.D., Polypropylene, UL Listed**

[\[click to enlarge\]](#)

GTIN(UPC/EAN) : 0 00 54007 68537 1  
3M Id : 80-6111-3281-4

### Additional Information

The UY2's two ports accept any two solid copper conductor combinations of 19-26 AWG (0.9 mm - 0.4 mm) filled or air core cable with a maximum insulation O.D. of .082" (2.08 mm). The wires joined can be different wire gauges. Factory inserted sealant insulates the connections, protects against corrosion, and seals out moisture. In addition, the UY2 is available in a dry version, the

[Full Text . . .](#)

### Learn More . . .

[Packaging Data](#)

[MSDS \(United States\)](#)

[3M™ Scotchlok™ Connector UY2 Tech Report - Technical Information \(PDF 1.2 MB\)](#)

[Ordering Information for Scotchlok™ UY2 Insulation Displacement - Product Selection Guide \(HTML 2.2 K\)](#)

[Scotchlok UR2, UY2 and UB2A Connectors Bulletin - Bulletin \(PDF 51.2 K\)](#)

#### Please Note:

Adobe® Acrobat® Reader is required to view PDF documents.



### Characteristics

<b>China RoHS - Below MCV</b>	Yes
<b>EU RoHS Compliant</b>	Yes
<b>Maximum Insulation Outer Diameter</b>	.082 Inch

### ◦ Other Tools

- What's New
- Sales Contacts
- U.S. Distributors



# Scotchlok™

## UR2, UY2 and UB2A Connectors

Proven splicing technology designed for your specific splicing applications.



Over 30 years ago, 3M introduced the industry's original IDC Connector, the 3M™ Scotchlok UR Connector. The latest series of connectors, the Scotchlok UR2, UY2, and UB2A Connectors, feature that same originality in technological advantages. Building on the successful Scotchlok Connector's design, shape, color-coded cap concepts, and element technology, the Scotchlok Series 2 Connectors additionally incorporate full wire range capability, increased port size to accommodate up to .082" (2.08 mm) insulation sizes, double elements in all products and a new solvent resistant plastic construction.

### The UR2 Connector for general butt splicing

The UR2 Connector accepts any two or three solid copper conductor combinations of 19-26 AWG (0.9mm - 0.4 mm) air core or filled cable with a maximum insulation O.D. of .082" (2.08 mm). The wires joined can be of

different wire gauges.

Its three ports accept two or three conductors for butt splicing. And like most Scotchlok Connectors, the UR2 is filled with a sealant to provide moisture resistance. A dry version of the UR2, the UR2-D, is also available.

The UR2 and UR2-D Connectors are available in box, bulk, bin, jumbo package and cartridge. The cartridges, containing ten connectors each, are for use with the Scotchlok E-9C Series Tools.

### The UY2 Connector for smaller splice bundles

Approximately half the size of the UR2, the UY2 Connector can handle a higher pair count cable and keep the splicing bundle O.D. to a minimum.

The UY2's two ports accept any two solid copper conductor combinations of 19-26 AWG (0.9 mm - 0.4 mm) filled or air core cable with a maximum insulation O.D. of .082" (2.08 mm). The wires joined can be of

different wire gauges. Factory inserted sealant insulates the connections, protects against corrosion, and seals out moisture. In addition, the UY2 is available in a dry version, the UY2-D.

The UY2 and UY2-D are available in box, bulk, bin and cartridge.

### The UB2A Connector: a unique time-saver for tap splicing

The pre-crimp feature of this compact bridging connector gives the craftsperson a time saving edge. By positioning the UB2A on the conductor and pre-crimping, the conductor is prevented from slipping out of the connector before the crimp is completed. A thin membrane molded into the tap wire entry port also assists the craftsperson by securing the tap wire until the crimp is completed. Like the UR2, a factory-installed sealant insulates against corrosion, and seals out moisture. The UB2A-D, a dry version, is available as well.

The UB2A permits tapping directly onto an existing conductor without interrupting service. In ready access closures, the UB2A eliminates cutting cable pairs, opening pairs, and piecing out wires.

Fast and easy to work with, the UB2A accepts 19-26 AWG (0.9 mm - 0.4 mm) plastic-, paper-, or pulp-insulated solid copper wire with a maximum O.D. of .082" (2.08 mm). The wires joined can be of different wire gauges.

The UB2A and UB2A-D are available in box, bulk and bin.

### Dry versions of connectors

The UR2-D, UY2-D and UB2A-D are dry versions of the UR2, UY2 and UB2A. They are designed for splicing PIC, pulp and paper conductors where a nonfilled connector is preferred.

# 3M™ Scotchlok™ UR2, UY2 and UB2A Connectors

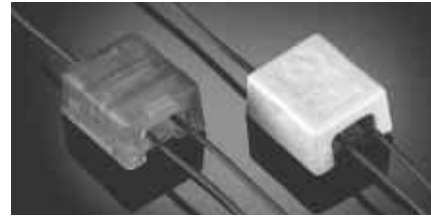
## Ordering Information



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3



4

### Scotchlok UR2/UR2-D

Butt Connector

**Box** (UR2 only)

Packing: 100/box, 1000/cs., 3 lbs.  
(1.36 kg./cs)

Shipping Unit: 1000 connectors

**Bulk**

Packing: 500/box, 5000/cs.,  
15.2 lbs. (6.7 kg)/cs.

Shipping Unit: 5000 connectors

**Bin**

Packing: 20/bag, 1000/bin, 3.0 lbs.  
(1.4 kg)/cs.

Shipping Unit: 1000 connectors

**Cartridge**

Packing: 10/cart., 100/pk., 1000/cs.,  
4.6 lbs. (2.09 kg)/cs.

Shipping Unit: 1000 connectors  
(10 packs)

### Scotchlok UY2/UY2-D

Butt Connector

**Box** (UY2 only)

Packing: 100/box, 1000/cs., 1.3 lbs.  
(0.9 kg)/cs.

Shipping Unit: 1000 connectors

**Bulk**

Packing: 1000/box, 5000/cs., 6.1 lbs.  
(2.8 kg)/cs.

Shipping Unit: 5000 connectors

**Bin**

Packing: 20/bag, 1000/bin, 1.5 lbs.  
(0.68 kg)/cs.

Shipping Unit: 1000 connectors

**Cartridge**

Packing: 12/cart., 120/pk., 1200/cs.,  
3.5 lbs. (1.4 kg)/cs.

Shipping Unit: 1200 connectors  
(10 packs)

### Scotchlok UB2A/UB2A-D

Tap Connector

**Box**

Packing: 100/box, 1000/cs., 2.6 lbs.  
(1.2 kg)/cs.

Shipping Unit: 1000 connectors

**Bin**

Packing: 20/bag, 1000/bin, 2.5 lbs.  
(1.1 kg)/cs.

Shipping Unit: 1000 connectors

**Bulk**

Packing: 500/box, 5000/cs.  
12.9 lbs. (5.9 kg)/cs.

Shipping Unit: 1000 connectors

## Product Specifications

SCOTCHLOK CONNECTOR	TYPE CONNECTION	MAXIMUM INSULATION O.D.		CABLE TYPE				APPROVED TOOLS		
		in.	Metric (mm)	PIC-unfilled AWG	metric (mm)	PIC-filled AWG	metric (mm)	Pulp or Paper* AWG	metric (mm)	Mechanical advantage indicated in ( )
UR2 UR2-D		.082	2.08	19-26	0.9-0.4	19-26	0.9-0.4	19-26	0.9-0.4	E-9C/CW (7:1)  E-9Y** (3:1)
UY2 UY2-D		.082	2.08	19-26	0.9-0.4	19-26	0.9-0.4	19-26	0.9-0.4	E-9B/E-9BM (10:1)  E-9E (4:1)
UB2A UB2A-D		.082	2.08	19-26	0.9-0.4	19-26	0.9-0.4	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-9BM and E-9C tools are recommended when splicing 19 AWG conductors.

## Important Notice

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