



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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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 UY connector, 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 |
|--|---|--|
| Butt Connector Box Packing: 100/box, 1000/cs., 1,36 kg (3 lbs)/cs. Shipping Unit: 1000 Connectors | Butt Connector Box Packing: 100/box, 1000/cs., 0,9 kg (1.3 lbs)/cs. Shipping Unit: 1000 Connectors | Tap Connector Box Packing: 100/box, 1000/cs., 1,2 kg (2.6 lbs)/cs. Shipping Unit: 1000 Connectors |
| Bulk Packing: 500/box, 5000/cs., 6,7 kg (15.2 lbs)/cs. Shipping Unit: 5000 Connectors | Bulk Packing: 1000/box, 5000/cs., 2,8 kg (6.1 lbs)/cs. Shipping Unit: 5000 Connectors | Bin Packing: 20/bag, 1000/bin, 1,1 kg (2.5 lbs)/cs. Shipping Unit: 1000 Connectors |
| Bin Packing: 20/bag, 1000/bin, 1,4 kg (3.0 lbs)/cs. Shipping Unit: 1000 Connectors | Bin Packing: 20/bag, 1000/bin, 0,68 kg (1.5 lbs)/cs. Shipping Unit: 1000 Connectors | |
| Cartridge Packing: 10/Cart, 100/pk, 1000/cs., 2,09 kg (4.6 lbs)/cs. Shipping Unit: 1000 Connectors (10 packs) | Cartridge Packing: 16/Cart, 160/pk, 1600/cs., 1,4 kg (3.5 lbs)/cs. Shipping Unit: 1600 Connectors (10 packs) | |
| Strip Packing: 100/strip, 1000/cs., 1,6 kg (3.6 lbs)/cs. Shipping Unit: 1000 Connectors | Strip 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. | | CABLE TYPE | | | | APPROVED TOOLS | |
|---|---|-------------------------|-------------|------------------|-------------|----------------|-------------|--------------------|-------------|
| | | in. | Metric (mm) | PIC-unfilled AWG | metric (mm) | PIC-filled AWG | metric (mm) | Pulp or Paper* 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 |
| 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 |


To reduce fatigue, use tool within each splicing group with highest mechanical advantage indicated in ().



 E-9C/CW
(7:1)


 E-9GB
(15:1)


 E-9CH
(7:1)


 E-9B/E-9M
(10:1)


 E-9E
(4:1)


 E-9Y**
(3:1)

*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

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 10% Post-consumer waste paper

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