


## 3M™ Scotchlok™ Connectors and Tools Specification Chart

Connector	Type Connector	Special Features	Maximum Insulation O.D. Metric (mm)	Inches	PIC-unfilled and PIC-filled AWG	PIC-filled Metric (mm)	Pulp or paper AWG	Pulp or paper Metric (mm)
<b>UR2</b> 		Gel-filled Polypropylene Cat. 5	2.08	0.082	26-19	0.4-0.9	N/A	N/A
<b>UR2-D</b> 		Dry Polypropylene	2.08	0.082	26-19	0.4-0.9	26-19	0.4-0.9
<b>UR</b> 		Gel-filled Polycarbonate Cat. 5	1.67	0.066	26-19	0.4-0.9	N/A	N/A
<b>UY2</b> 		Gel-filled Polypropylene Cat. 5	2.08	0.082	26-19	0.4-0.9	N/A	N/A
<b>UY2-D</b> 		Dry Polypropylene	2.08	0.082	26-19	0.4-0.9	26-19	0.4-0.9
<b>UY</b> 		Gel-filled Polycarbonate Cat. 5	1.67	0.066	26-22	0.4-0.7	N/A	N/A
<b>*557-TG2</b> 		Gel-filled Polypropylene	3.0	0.12	22-16	0.6-1.3	N/A	N/A
<b>UYF</b> 		Gel-filled Polycarbonate	1.52	0.060	26-20	0.4-0.8	N/A	N/A
<b>UP2</b> 		Dry Flame Retardant UL Listed Polycarbonate	1.52	0.060	26-22	0.4-0.7	26-22	0.4-0.7
<b>UP3</b> 		Dry Flame Retardant UL Listed Polycarbonate	1.67	0.066	26-19	0.4-0.9	26-19	0.4-0.9
<b>UAL</b> 		Gel-filled For Aluminum Polycarbonate	Outside Ports: 2.08 Middle Port: 1.88	Outside Ports: 0.082 Middle Port: 0.074	20-17 AL 24-19 CU	0.8-1.2 AL 0.5-0.9 CU	N/A	N/A
<b>211</b> 		Gel-filled Polypropylene Cat. 5	2.08	0.082	26-19	0.4-0.9	N/A	N/A

Butt Splicing

\*Inline and drop wire connectors can only be used with 3M™ Scotchlok™ Crimp Tool E-9BM.



3M™ Scotchlok™ Connector	Type Connector	Special Features	Maximum Insulation O.D. Metric (mm)    Inches		PIC-unfilled and PIC-filled AWG    Metric (mm)		Pulp or paper AWG    Metric (mm)	
<b>UB2A</b> 		Gel-filled Polypropylene Cat. 5	2.08	0.082	26-19	0.4-0.9	N/A	N/A
<b>UB2A-D</b> 		Dry Polypropylene	2.08	0.082	26-19	0.4-0.9	26-19	0.4-0.9
<b>UG</b> 		Gel-filled Polycarbonate	Tap 1.67 Through 1.12	0.066 0.044	26-19 26-22	0.4-0.9 0.4-0.7	N/A	N/A
<b>UPB</b> 		Dry Flame Retardant UL Listed Polycarbonate	1.27	0.050	26-22	0.4-0.7	26-22	0.4-0.7
<b>*UDW2</b> 		Full Pair Drop Pair Polycarbonate	4.4	0.175	19-16	0.9-1.3	N/A	N/A
<b>*U1B</b> 		Gel-filled Full Pair Polycarbonate	3.18	0.125	19-16	0.9-1.3	N/A	N/A
<b>*U1R</b> 		Gel-filled Full Pair Polycarbonate	3.18	0.125	24-19	0.5-0.9	N/A	N/A
<b>UCC</b> 		Gel-filled Polycarbonate	1.52	0.060	26-22	0.4-0.7	N/A	N/A
<b>UPC</b> 		Dry Flame Retardant UL Listed Polycarbonate	1.52	0.060	26-22	0.4-0.7	26-22	0.4-0.7

Tap Splicing

Inline Splicing

Clear/Cap Only

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



**E-9BM  
(10:1)**



**E-9C  
(7:1)**



**E-9E  
(4:1)**



**E-9Y\*\*  
(3:1)**



**E-9R  
(10:1)**



**E-9J  
(10:1)**

\*Inline and drop wire connectors can only be used with 3M™ Scotchlok™ Crimp Tool E-9BM.

\*\*Not recommended for 19 gauge (0.9 mm) conductor and larger.

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