























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

Connector	Type Connector	Special Features	Maximum Insulation O.D.		PIC-unfilled and PIC-filled		Pulp or paper	
			Metric (mm)	Inches	AWG	Metric (mm)	AWG	Metric (mm)
		Gel-filled Polypropylene Cat. 5 RUS Listed	2.08	0.082	26-19	0.4-0.9	N/A	N/A
		Dry Polypropylene RUS Listed	2.08	0.082	26-19	0.4-0.9	26-19	0.4-0.9
		Gel-filled Polycarbonate Cat. 5 RUS Listed	1.52	0.060	26-19	0.4-0.9	N/A	N/A
		Gel-filled Polypropylene Cat. 5 RUS Listed	2.08	0.082	26-19	0.4-0.9	N/A	N/A
		Dry Polypropylene RUS Listed	2.08	0.082	26-19	0.4-0.9	26-19	0.4-0.9
		Gel-filled Polycarbonate Cat. 5 RUS Listed	1.52	0.060	26-22	0.4-0.7	N/A	N/A
		Gel-filled Polypropylene	3.0	0.12	22-16	0.6-1.3	N/A	N/A
		Gel-filled Polycarbonate	1.52	0.060	26-20	0.4-0.8	N/A	N/A
		Dry Polycarbonate Flame Retardant RUS Listed UL Listed	1.52	0.060	26-22	0.4-0.7	26-22	0.4-0.7
		Dry Polycarbonate Flame Retardant UL Listed	1.52	0.060	26-19	0.4-0.9	26-19	0.4-0.9
		Gel-filled For Aluminum Polycarbonate RUS Listed	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
		Gel-filled Polypropylene Cat. 5 RUS Listed	2.08	0.082	26-19	0.4-0.9	N/A	N/A

Butt Splicing

\*557-TG2 connectors can only be used with 3M™ Scotchlok™ Crimp Tool E-9BM or E-9J.

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			Metric (mm)	Inches	AWG	Metric (mm)	AWG	Metric (mm)	
 <b>UB2A</b>		Gel-filled Polypropylene Cat. 5 RUS Listed	2.08	0.082	26-19	0.4-0.9	N/A	N/A	Tap Splicing
 <b>UB2A-D</b>		Dry Polypropylene RUS Listed	2.08	0.082	26-19	0.4-0.9	26-19	0.4-0.9	
 <b>UG</b>		Gel-filled Polycarbonate RUS Listed	Butt 1.67 Tap 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 Polycarbonate Flame Retardant RUS Listed UL Listed	1.27	0.050	26-22	0.4-0.7	26-22	0.4-0.7	
 <b>*UDW2</b>		Full Pair Drop Pair Polycarbonate RUS Listed	4.4	0.175	19-16	0.9-1.3	N/A	N/A	Inline Splicing
 <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 RUS Listed	1.52	0.060	26-22	0.4-0.7	N/A	N/A	Clear/Cap Only
 <b>UPC</b>		Dry Polycarbonate Flame Retardant RUS Listed UL Listed	1.52	0.060	26-22	0.4-0.7	26-22	0.4-0.7	

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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2005/95/EC

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

















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			Metric (mm)	Inches	AWG	Metric (mm)	AWG	Metric (mm)
 <b>UR2</b>		Gel-filled Polypropylene Cat. 5 RUS Listed	2.08	0.082	26-19	0.4-0.9	N/A	N/A
 <b>UR2-D</b>		Dry Polypropylene RUS Listed	2.08	0.082	26-19	0.4-0.9	26-19	0.4-0.9
 <b>UR</b>		Gel-filled Polycarbonate Cat. 5 RUS Listed	1.52	0.060	26-19	0.4-0.9	N/A	N/A
 <b>UY2</b>		Gel-filled Polypropylene Cat. 5 RUS Listed	2.08	0.082	26-19	0.4-0.9	N/A	N/A
 <b>UY2-D</b>		Dry Polypropylene RUS Listed	2.08	0.082	26-19	0.4-0.9	26-19	0.4-0.9
 <b>UY</b>		Gel-filled Polycarbonate Cat. 5 RUS Listed	1.52	0.060	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 Polycarbonate Flame Retardant RUS Listed UL Listed	1.52	0.060	26-22	0.4-0.7	26-22	0.4-0.7
 <b>UP3</b>		Dry Polycarbonate Flame Retardant UL Listed	1.52	0.060	26-19	0.4-0.9	26-19	0.4-0.9
 <b>UAL</b>		Gel-filled For Aluminum Polycarbonate RUS Listed	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 RUS Listed	2.08	0.082	26-19	0.4-0.9	N/A	N/A

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 <b>UB2A</b>		Gel-filled Polypropylene Cat. 5 RUS Listed	2.08	0.082	26-19	0.4-0.9	N/A	N/A	Tap Splicing
 <b>UB2A-D</b>		Dry Polypropylene RUS Listed	2.08	0.082	26-19	0.4-0.9	26-19	0.4-0.9	
 <b>UG</b>		Gel-filled Polycarbonate RUS Listed	Butt 1.67 Tap 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 Polycarbonate Flame Retardant RUS Listed UL Listed	1.27	0.050	26-22	0.4-0.7	26-22	0.4-0.7	
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 <b>*U1R</b>		Gel-filled Full Pair Polycarbonate	3.18	0.125	24-19	0.5-0.9	N/A	N/A	
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