



Next Generation of Perma-Seal™ Next Level of Performance

Perma-Seal All-Weather Solderless Terminals and Splices with NiAc™

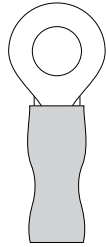
Achieve superior performance with the finest waterproof crimp connections in the industry. With NiAc heat-shrinkable insulation, these enhanced Perma-Seal products deliver faster shrink times to help you save labor cost – all with unprecedented reliability.

Perma-Seal with NiAc insulation,
the superior alternative to Nylon:

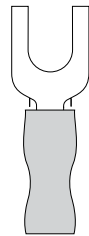
- Lower shrink temperature: 90°C
- Quicker installation
- Excellent insulation clarity
- Less chance for wire damage
- Waterproof
- Abrasion resistant
- Solvent resistant
- UL listed at 600V
- RoHS compliant
- 3:1 shrink ratio



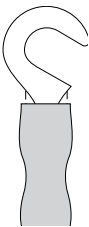
Perma-Seal™ All-Weather Heat Shrinkable Terminals and Splices



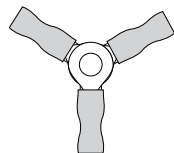
Ring			
Wire Range AWG (mm ²)	Stud Size	Loose Piece Order No.	Mylar Tape Order No.
18-22 (0.96-0.38)	6	19164-0085	
	8	19164-0086	19164-0419
	10	19164-0003	19164-0306
	1/4	19164-0004	19164-0844
14-16 (1.94-1.23)	3/8	19164-0005	19164-0845
	6	19164-0032	19164-0310
	8	19164-0033	19164-0311
	10	19164-0034	19164-0312
	1/4	19164-0026	19164-0308
	5/16	19164-0027	19164-0309
10-12 (5.01-3.09)	3/8	19164-0020	19164-0307
	6	19164-0061	
	8	19164-0062	
	10	19164-0065	19164-0316
	1/4	19164-0066	19164-0317
	5/16	19164-0067	19164-0318
8 (7.96)	3/8	19164-0068	
	1/2	19164-0058	
	10	19164-0080	19164-0602
	1/4	19164-0081	19164-0603
	5/16	19164-0083	19164-0605
	3/8	19164-0082	19164-0604
	1/2	19164-0457	



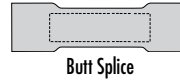
Spade		
Wire Range AWG (mm ²)	Stud Size	Order No.
18-22 (0.96-0.38)	6	19164-0006
	8	19164-0007
	10	19164-0008
14-16 (1.94-1.23)	6	19164-0028
	8	19164-0029
	10	19164-0030
10-12 (5.01-3.09)	6	19164-0069
	8	19164-0070
	10	19164-0072
	1/4	19164-0073



Hook		
Wire Range AWG (mm ²)	Stud Size	Order No.
14-16 (1.94-1.23)	10	19164-0021



3-Way	
Wire Range AWG (mm ²)	Order No.
18-22 (0.96-0.38)	19164-0011
14-16 (1.94-1.23)	19164-0042
10-12 (5.01-3.09)	19164-0074



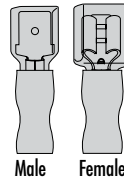
Butt Splices		
Wire Range AWG (mm ²)	Loose Piece Order No.	Mylar Tape Order No.
18-22 (0.96-0.38)	19164-0013	19164-0014
14-16 (1.94-1.23)	19164-0044	19164-0045
10-12 (5.01-3.09)	19164-0056	19164-0057
8 (7.96)	19164-0079	



Step Down Butt Splices	
Wire Range AWG (mm ²)	Order No.
14-16 (1.94-1.23) to 18-22 (0.96-0.38)	19164-0043
10-12 (5.01-3.09) to 14-16 (1.94-1.23)	19164-0077



Quick Disconnects		
Wire Range AWG (mm ²)	Fits Tab Size mm (in.)	Order No.
18-22 (0.96-0.38)	6.35 by 0.81 (.250 by .032)	19164-0012
14-16 (1.94-1.23)		19164-0047
10-12 (5.01-3.09)		19164-0059



Quick Disconnect Couplers					
Wire Range AWG (mm ²)	Tab Size mm (in.)	Loose Piece Order No. Male	Loose Piece Order No. Female	Mylar Tape Order No. Male	Mylar Tape Order No. Female
18-22 (0.96-0.38)	6.35 by 0.81 (.250 by .032)	19164-0015	19164-0017	19164-0016	19164-0018
14-16 (1.94-1.23)		19164-0048	19164-0050	19164-0049	19164-0051
10-12 (5.01-3.09)		19164-0075	19164-0076		19164-0305



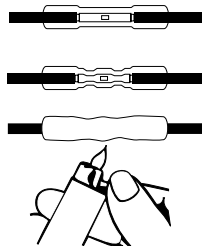
Snap Plug			
Wire Range AWG (mm ²)	Diameter mm (in.)	Loose Piece Order No.	Mylar Tape Order No.
18-22 (0.96-0.38)	3.96 (.156)	19164-0010	19164-0807
14-16 (1.94-1.23)		19164-0040	19164-0315



Snap Plug Receptacle			
Wire Range AWG (mm ²)	Diameter mm (in.)	Loose Piece Order No.	Mylar Tape Order No.
18-22 (0.96-0.38)	3.96 (.156)	19164-0052	
	4.57 (.180)	19164-0053	
14-16 (1.94-1.23)	3.96 (.156)	19164-0054	19164-0414
	4.57 (.180)	19164-0055	

Simple Installation

- 1) Select the correct splice size for the wire gauge. Strip the wires 7.60mm (.300") from the end and insert into the crimp barrel.
 - 2) Making sure the wire end is properly seated, make the crimp connection using a tool designed for insulated splices.
 - 3) Apply heat directly to the splice, working from the center out to the edges, using a hot air gun or other heat source, until the tubing shrinks and the adhesive flows. Allow to cool before inspecting splice and checking the integrity.
- Perma-Seal only needs a temperature of 90°C to shrink.



Americas Headquarters
Lisle, Illinois 60532 U.S.A.
1-800-78MOLEX
amerinfo@molex.com

Asia Pacific North Headquarters
Yamato, Kanagawa, Japan
81-46-265-2325
apninfo@molex.com

Asia Pacific South Headquarters
Jurong, Singapore
65-6268-6868
fesinfo@molex.com

European Headquarters
Munich, Germany
49-89-413092-0
eurinfo@molex.com

Corporate Headquarters
2222 Wellington Ct.
Lisle, IL 60532 U.S.A.
630-969-4550
Fax: 630-969-1352

Visit our website at www.molex.com/product/permasel.html