

Perma-Seal terminals and splices provide a rugged, environmentally sealed connection for wire sizes 8 to 22 AWG that will insulate, seal and protect joints from physical abuse and abrasion, water, salt and other corrosive compounds.

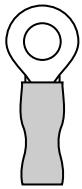
Waterproof adhesive seal

Perma-Seal terminals and splices give you long-lasting, moisture-proof connections that withstand water, salt, condensation, corrosion and heat, all of which cause serious problems for conventional, unsealed splices. The inner wall of the heat-shrinkable Perma-Seal sleeve is lined with a special hot-melt adhesive that is inert at room temperature, permitting wires to be

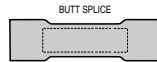
inserted easily into the splices and terminals. As the sleeve is heated, the adhesive melts and flows under pressure from the tubing. This action creates a voidless seal that repels moisture incursion even during pressure cycling, and stands up to some of the most rigorous tests that can be applied to high-performance splices, including full immersion for 24 hours at room temperature in gasoline, battery acid, diesel fuel, motor oil, antifreeze, brake fluid, trichloroethylene and 5% soft water.

Tough and durable

The tough sleeve of Perma-Seal splices and terminals resists abrasion and cutting. This protection helps to maintain the insulation and sealing properties even in the most hostile environments, not to mention an unbeatable strain relief.



Ring			
Wire Range AWG	Stud Size	Loose Piece Order No.	Mylar Tape Order No.
18-22 (0.80-0.35)	6	19164-0085	—
	8	19164-0086	19164-0419
	10	19164-0003	19164-0306
	1/4	19164-0004	—
	3/8	19164-0005	—
14-16 (2.00-1.30)	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 (5.00-3.30)	3/8	19164-0020	19164-0307
	6	19164-0061	—
	8	19164-0062	—
	10	19164-0065	19164-0316
	1/4	19164-0066	19164-0317
8 (8.50)	5/16	19164-0067	19164-0318
	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



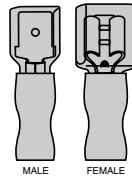
Butt Splices		
Wire Range AWG	Loose Piece Order No.	Mylar Tape Order No.
18-22 (0.80-0.35)	19164-0013	19164-0014
14-16 (2.00-1.30)	19164-0044	19164-0045
10-12 (5.00-3.30)	19164-0056	19164-0057
8 (8.50)	19164-0079	—



Step Down Butt	
Wire Range AWG	Order No.
14-16 (2.00-1.30) to 18-22 (0.80-0.35)	19164-0043
10-12 (5.00-3.30) to 14-16 (2.00-1.30)	19164-0077



Quick Disconnects		
Wire Range AWG	Fits Tab Size (in.)	Order No.
18-22 (0.80-0.35)	.250 by .032	19164-0012
14-16 (2.00-1.30)	.250 by .032	19164-0047
10-12 (5.00-3.30)	.250 by .032	19164-0059



Quick Disconnect Couplers					
Wire Range AWG	Tab Size (in.)	Loose Piece Order No. Male	Loose Piece Order No. Female	Mylar Tape Order No. Male	Mylar Tape Order No. Female
18-22 (0.80-0.35)	.250 by .032	19164-0015	19164-0017	19164-0016	19164-0018
14-16 (2.00-1.30)	.250 by .032	19164-0048	19164-0050	19164-0049	19164-0051
10-12 (5.00-3.30)	.250 by .032	19164-0075	19164-0076	—	19164-0305



Spade		
Wire Range AWG	Stud Size	Order No.
18-22 (0.80-0.35)	6	19164-0006
	8	19164-0007
	10	19164-0008
14-16 (2.00-1.30)	6	19164-0028
	8	19164-0029
	10	19164-0030
10-12 (5.00-3.30)	6	19164-0069
	8	19164-0070
	10	19164-0072
	1/4	19164-0073

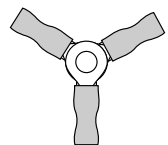


Snap Plug			
Wire Range AWG	Diameter (in.)	Loose Piece Order No.	Mylar Tape Order No.
18-22 (0.80-0.35)	.156	19164-0010	—
14-16 (2.00-1.30)	.156	19164-0040	19164-0315

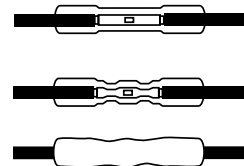


Hook		
Wire Range AWG	Stud Size	Order No.
14-16 (2.00-1.30)	10	19164-0021

Snap Plug Receptacle			
Wire Range AWG	Diameter (in.)	Loose Piece Order No.	Mylar Tape Order No.
18-22 (0.80-0.35)	.156	19164-0052	—
	.180	19164-0053	—
14-16 (2.00-1.30)	.156	19164-0054	19164-0414
	.180	19164-0055	—



3-Way		
Wire Range AWG	Stud Size	Order No.
18-22 (0.80-0.35)		19164-0011
14-16 (2.00-1.30)		19164-0042
10-12 (5.00-3.30)		19164-0074



Simple Installation

Select the correct splice size for the wire gauge. Strip the wires 7.60mm (.300") from the end and insert into the crimp barrel.

Making sure the wire end is properly seated, make the crimp connection using a tool designed for insulated splices.

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.

