



Simplex Entry Seals

Sealing Devices for Duct Cable Networks

- Water-tight and air-tight
- Simple installation around in-place cables
- Excellent conduit or cable support
- Stainless steel fasteners
- Ideal for manholes, buildings and cabinets

Simplex entry seals effectively seal around and support conduits and cables in through-penetration openings or core drilled penetrations, such as building entrances or conduit openings. Simplex entry seals prevent leakage around conduits and cables entering structures of all kinds. Because of their split design, these plugs are retrofittable, removable, and reusable.

The service life of cable, splices, manhole hardware and electronics can be increased when contact with moisture is reduced. Underground structures can be accessed more quickly and easily when they are isolated and sealed from the inflow of water.

Simplex plugs feature standard sized fasteners made of stainless steel, easily installed with widely available tools, and are sized to fit the most commonly used core-drill bits, conduits, and conduit termination fittings.

For sealing around objects with diameters smaller than those specified, please refer to the Bushing Sleeve data sheet. Contact your Tyco Electronics representative for more information.

Note: When selecting a Simplex Plug

1. Determine the inside diameter of the duct and the outside diameter of the cable or inner duct and select the range of plugs.
2. If the diameter of the cable or inner duct is smaller than the specified range, use a Bushing Sleeve to build up the cable or inner duct diameter. Select a plug with a Bushing Sleeve series number and refer to the Bushing Sleeve data sheet for a chart that provides information required to select the correct Bushing Sleeve.

Part Number	Product Descriptor*	Size	Duct ID Range		Cable or Duct OD Range	
			inches	mm	inches	mm
733362	JM-SIM-11S084SG	1.125	1.10 - 1.22	27.9 - 31.0	0.69 - 0.84	17.5 - 21.3
051782	JM-SIM-12S098SG	1.25	1.22 - 1.34	31.0 - 34.0	0.83 - 0.98	21.1 - 24.9
436486	JM-SIM-21S136SG	2.00	1.98 - 2.08	50.3 - 52.8	1.18 - 1.36	30.0 - 34.5
A47898	JM-SIM-22S130SG	2.00	2.17 - 2.28	55.1 - 57.9	1.14 - 1.30	29.0 - 33.0
709460	JM-SIM-25S118SGB	2.50	2.34 - 2.50	59.4 - 63.5	1.02 - 1.18	25.9 - 29.9
839260	JM-SIM-25S122SG	2.50	2.34 - 2.50	59.4 - 63.5	1.06 - 1.22	27.0 - 31.0
931720	JM-SIM-25S136SG	2.50	2.34 - 2.50	59.4 - 63.5	1.18 - 1.36	30.0 - 34.5
773300	JM-SIM-25S157SG	2.50	2.34 - 2.50	59.4 - 63.5	1.36 - 1.57	34.5 - 39.9
A25424	JM-SIM-26S161SG	2.60	2.60 - 2.76	66.0 - 70.1	1.46 - 1.61	37.1 - 41.0
368714	JM-SIM-30S136S	3.00	3.03 - 3.15	77.0 - 80.0	1.19 - 1.36	30.2 - 34.5
230356	JM-SIM-30S157S	3.00	3.03 - 3.15	77.0 - 80.0	1.45 - 1.57	36.8 - 39.9
168680	JM-SIM-30S177S	3.00	3.03 - 3.15	77.0 - 80.0	1.65 - 1.77	42.0 - 45.0
295338	JM-SIM-30S196SB	3.00	3.03 - 3.15	77.0 - 80.0	1.38 - 1.96	35.1 - 49.9
157390	JM-SIM-30S204S	3.00	3.03 - 3.15	77.0 - 80.0	1.92 - 2.04	48.8 - 51.8
F96648	JM-SIM-30S216S	3.00	3.07 - 3.19	78.0 - 81.0	2.04 - 2.16	51.8 - 54.8
208618	JM-SIM-30S228S	3.00	3.07 - 3.19	78.0 - 81.0	2.20 - 2.28	48.8 - 57.9
E53152	JM-SIM-30S236SB	3.00	3.07 - 3.19	78.0 - 81.0	1.89 - 2.36	48.0 - 59.9
A40118	JM-SIM-30S248S	3.00	3.07 - 3.19	78.0 - 81.0	2.40 - 2.48	61.0 - 63.0
A46926	JM-SIM-30S256SB	3.00	3.07 - 3.19	78.0 - 81.0	1.92 - 2.56	48.8 - 65.0
A45271	JM-SIM-30S268S	3.00	3.07 - 3.19	78.0 - 81.0	2.60 - 2.68	66.0 - 68.0
563104	JM-SIM-30S136A	3.10	3.26 - 3.37	82.8 - 85.6	1.19 - 1.36	30.2 - 34.5
943868	JM-SIM-30S196AB	3.10	3.26 - 3.37	82.8 - 85.6	1.38 - 1.96	35.1 - 49.8
003944	JM-SIM-30S220AB	3.10	3.26 - 3.37	82.8 - 85.6	1.92 - 2.20	48.8 - 55.9
362380	JM-SIM-35S236HG	3.40	3.35 - 3.46	85.1 - 87.9	2.16 - 2.36	54.9 - 59.9
877840	JM-SIM-35S256HG	3.40	3.35 - 3.46	85.1 - 87.9	2.36 - 2.56	59.9 - 65.0
597066	JM-SIM-35S276HG	3.40	3.35 - 3.46	85.1 - 87.9	2.56 - 2.76	65.0 - 69.9
330386	JM-SIM-35S287HG	3.40	3.35 - 3.46	85.1 - 87.9	2.75 - 2.87	69.9 - 72.9
481510	JM-SIM-35S136S	3.50	3.49 - 3.65	88.6 - 92.7	1.19 - 1.36	30.2 - 34.5
492454	JM-SIM-35S157S	3.50	3.49 - 3.65	88.6 - 92.7	1.42 - 1.57	36.1 - 39.9
970970	JM-SIM-35S196SB	3.50	3.49 - 3.65	88.6 - 92.7	1.38 - 1.96	35.1 - 49.8
019902	JM-SIM-35S216S	3.50	3.49 - 3.65	88.6 - 92.7	2.04 - 2.17	51.8 - 55.1
186964	JM-SIM-35S236S	3.50	3.49 - 3.65	88.6 - 92.7	2.24 - 2.36	56.9 - 59.9
452266	JM-SIM-35S256SB	3.50	3.49 - 3.65	88.6 - 92.7	1.92 - 2.56	48.8 - 65.0
484820	JM-SIM-35S276S	3.50	3.44 - 3.62	87.4 - 91.9	2.56 - 2.75	65.0 - 69.9
645218	JM-SIM-35S276SB	3.50	3.44 - 3.62	87.4 - 91.9	2.44 - 2.75	62.0 - 69.9
C90338	JM-SIM-35S291S	3.50	3.44 - 3.62	87.4 - 91.9	2.76 - 2.91	70.1 - 73.9
408856	JM-SIM-35S291SB	3.50	3.44 - 3.62	87.4 - 91.9	2.68 - 2.91	68.1 - 73.9
298056	JM-SIM-35S303S	3.50	3.44 - 3.62	87.4 - 91.9	2.91 - 3.03	73.9 - 77.0
D13577	JM-SIM-35S196AB	3.50	3.66 - 3.78	93.0 - 96.0	1.38 - 1.96	35.0 - 49.8
998734	JM-SIM-35S256AB	3.50	3.66 - 3.78	93.0 - 96.0	1.92 - 2.56	48.8 - 65.0
011554	JM-SIM-40S256HG	3.80	3.74 - 3.99	95.0 - 101.3	2.36 - 2.56	59.9 - 65.0
996942	JM-SIM-40S276HG	3.80	3.74 - 3.99	95.0 - 101.3	2.56 - 2.75	65.0 - 69.9
407354	JM-SIM-40S291HG	3.80	3.74 - 3.99	95.0 - 101.3	2.75 - 2.90	69.9 - 73.7
403620	JM-SIM-40S303HG	3.80	3.74 - 3.99	95.0 - 101.3	2.90 - 3.03	73.7 - 77.0
NO RPN	JM-SIM-40S315HG	3.80	3.74 - 3.99	95.0 - 101.3	3.03 - 3.15	77.0 - 80.0
822802	JM-SIM-40S327HG	3.80	3.74 - 3.99	95.0 - 101.3	3.14 - 3.26	79.8 - 82.8
260212	JM-SIM-40S118S	4.00	3.93 - 4.16	99.8 - 105.7	1.06 - 1.18	26.9 - 30.0
453966	JM-SIM-40S136S	4.00	3.93 - 4.16	99.8 - 105.7	1.19 - 1.36	30.2 - 34.5
738840	JM-SIM-40S196SB	4.00	3.93 - 4.16	99.8 - 105.7	1.38 - 1.96	35.1 - 49.8
717488	JM-SIM-40S216S	4.00	3.93 - 4.16	99.8 - 105.7	2.04 - 2.17	51.8 - 55.1
035344	JM-SIM-40S236S	4.00	3.93 - 4.16	99.8 - 105.7	2.24 - 2.36	56.9 - 59.9
826670	JM-SIM-40S256SB	4.00	3.93 - 4.16	99.8 - 105.7	1.92 - 2.56	48.8 - 65.0
157056	JM-SIM-40S291SB	4.00	3.93 - 4.16	99.8 - 105.7	2.56 - 2.91	65.0 - 73.9

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Part Number	Product Descriptor*	Size	Duct ID Range		Cable or Duct OD Range	
			inches	mm	inches	mm
486170	JM-SIM-40S327SB	4.00	3.93 - 4.16	99.8 - 105.7	2.91 - 3.27	73.9 - 83.1
013852	JM-SIM-40S136A	4.10	4.16 - 4.34	105.7 - 110.2	1.19 - 1.36	30.2 - 34.5
535778	JM-SIM-40S157A	4.10	4.16 - 4.34	105.7 - 110.2	1.46 - 1.57	37.1 - 39.9
718012	JM-SIM-40S177A	4.10	4.16 - 4.34	105.7 - 110.2	1.65 - 1.77	41.9 - 45.0
A80119	JM-SIM-40S196A	4.10	4.16 - 4.34	105.7 - 110.2	1.85 - 1.96	47.0 - 49.8
508516	JM-SIM-40S196AB	4.10	4.16 - 4.34	105.7 - 110.2	1.38 - 1.96	35.1 - 49.8
849804	JM-SIM-40S236A	4.10	4.16 - 4.34	105.7 - 110.2	2.24 - 2.36	56.9 - 59.9
102890	JM-SIM-40S256AB	4.10	4.16 - 4.34	105.7 - 110.2	1.92 - 2.56	48.8 - 65.0
061240	JM-SIM-40S291AB	4.10	4.16 - 4.34	105.7 - 110.2	2.64 - 2.91	67.0 - 73.9
502732	JM-SIM-40S303A	4.10	4.16 - 4.34	105.7 - 110.2	2.90 - 3.03	73.7 - 77.0
100962	JM-SIM-40S315AB	4.10	4.16 - 4.34	105.7 - 110.2	2.56 - 3.15	65.0 - 80.0
072060	JM-SIM-40S327A	4.10	4.16 - 4.34	105.7 - 110.2	3.15 - 3.27	80.0 - 83.1
C84258	JM-SIM-50S157HG	4.80	4.88 - 5.00	124.0 - 127.0	1.46 - 1.57	37.1 - 39.9
176020	JM-SIM-50S196SB	5.00	5.04 - 5.35	128.0 - 135.9	1.38 - 1.96	35.1 - 49.8
667514	JM-SIM-50S216S	5.00	5.04 - 5.35	128.0 - 135.9	2.05 - 2.16	52.1 - 55.0
330078	JM-SIM-50S236S	5.00	5.04 - 5.35	128.0 - 135.9	2.24 - 2.36	56.9 - 59.9
900062	JM-SIM-50S256SB	5.00	5.04 - 5.35	128.0 - 135.9	1.92 - 2.56	48.8 - 65.0
628774	JM-SIM-50S291SB	5.00	5.04 - 5.35	128.0 - 135.9	2.56 - 2.91	65.0 - 74.0
409066	JM-SIM-50S303S	5.00	5.04 - 5.35	128.0 - 135.9	2.91 - 3.03	74.0 - 77.0
139672	JM-SIM-50S343S	5.00	5.04 - 5.35	128.0 - 135.9	3.23 - 3.43	82.0 - 87.0
963346	JM-SIM-50S373SGB	5.00	5.04 - 5.35	128.0 - 135.9	3.15 - 3.73	80.0 - 94.7
A23952	JM-SIM-55S120SG	5.50	5.47 - 5.63	138.9 - 143.0	1.10 - 1.22	27.9 - 31.0
C05570	JM-SIM-55S305SG	5.50	5.47 - 5.63	138.9 - 143.0	2.91 - 3.05	73.9 - 77.5
852656	JM-SIM-60S196HGB	5.80	5.79 - 5.98	147.1 - 151.9	1.38 - 1.96	35.1 - 49.8
RH0247	JM-SIM-60S213HG	5.80	5.79 - 5.98	147.1 - 151.9	2.01 - 2.12	51.0 - 53.9
219148	JM-SIM-60S244HG	5.80	5.79 - 5.98	147.1 - 151.9	2.28 - 2.44	57.9 - 62.0
E82048	JM-SIM-60S256HG	5.80	5.79 - 5.98	147.1 - 151.9	2.40 - 2.56	61.0 - 65.0
103652	JM-SIM-60S315HGB	5.80	5.79 - 5.98	147.1 - 151.9	2.56 - 3.15	65.0 - 80.0
253580	JM-SIM-60S343HGB	5.80	5.79 - 5.98	147.1 - 151.9	2.91 - 3.43	74.0 - 87.0
048256	JM-SIM-60S373HGB	5.80	5.79 - 5.98	147.1 - 151.9	3.15 - 3.73	80.0 - 94.7
164590	JM-SIM-60S394HG	5.80	5.79 - 5.98	147.1 - 151.9	3.73 - 3.94	94.8 - 100.0
037806	JM-SIM-60S196SGB	6.00	5.98 - 6.30	151.9 - 160.0	1.38 - 1.96	35.1 - 49.8
533506	JM-SIM-60S244SG	6.00	5.98 - 6.30	151.9 - 160.0	2.28 - 2.44	57.9 - 62.0
120846	JM-SIM-60S256SGB	6.00	5.98 - 6.30	151.9 - 160.0	1.92 - 2.56	48.8 - 65.0
596370	JM-SIM-60S315SGB	6.00	5.98 - 6.30	151.9 - 160.0	2.56 - 3.15	65.0 - 80.0
338552	JM-SIM-60S373SGB	6.00	5.98 - 6.30	151.9 - 160.0	3.15 - 3.73	80.0 - 94.7
A25212	JM-SIM-60S413SGB	6.00	5.98 - 6.30	151.9 - 160.0	3.75 - 4.13	95.3 - 104.9
238276	JM-SIM-60S450SGB	6.00	5.98 - 6.30	151.9 - 160.0	4.29 - 4.49	109.0 - 114.00
471438	JM-SIM-60S450SG	6.00	5.98 - 6.30	151.9 - 160.0	4.35 - 4.50	110.5 - 114.3
358478	JM-SIM-68S504SG	7.00	6.85 - 7.05	174.0 - 179.1	4.88 - 5.04	124.0 - 128.0
F77121	JM-SIM-70S550SG	7.00	7.09 - 7.28	180.1 - 184.9	5.39 - 5.55	136.9 - 141.0
976404	JM-SIM-80S504SG	8.00	7.87 - 8.03	199.9 - 204.0	4.88 - 5.04	124.0 - 128.0
181552	JM-SIM-80S591SG	8.00	7.91 - 8.07	201.0 - 205.0	5.75 - 5.91	146.1 - 150.0
901700	JM-SIM-80S669SG	8.00	7.83 - 8.00	198.9 - 203.2	6.50 - 6.69	165.1 - 169.9

*Suffix Descriptor

S - Standard PVC and PE ducts (ID)

A - Oversize duct (ID)

H - Undersize ducts (ID)

B - Duct Plugs with inner bushing

G - Duct Plugs with coated metal compression plates

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