



Fiber Optic Simplex Plug

Sealing Plugs for Small Diameter Ducts

- Water-tight and air-tight
- Simple installation around in-place cables
- Seals all types of inner duct
- Easy to retrofit
- Patented design
- Wide cable sealing range
- Installs and removes by hand

Fiber Optic Simplex plugs effectively seal conduits containing one cable. Originally designed for applications involving fiber optic cable placement in subduct, this product is ideal for sealing around coax or twisted pair cable in small diameter conduits. These plugs are retrofittable, removable, and reusable.

Proper sealing around cable in conduits and subducts is important to prevent the costly flooding of buildings and sedimentation of the area around the cable. These easily removable and reusable devices facilitate the redistribution of cable slack by ensuring a clear raceway around outside plant cables.

Note: When selecting a Fiber Optic Simplex plug

1. Determine the inside diameter of the duct and select the range of plugs.
2. Determine the outside diameter of the cable (or inner duct) and select the correct plug in the range. Make sure you know the minimum internal diameter of the duct. Some ducts quoted at 50 mm internal diameter (nominal) might be only 48 mm. Also, given the outside diameter, determine the minimum O.D. and the maximum wall thickness and calculate the minimum I.D. The actual cable (or inner duct) diameter must be determined. A quoted cable diameter of 15 mm might be anywhere between 14 and 16 mm, depending on the manufacturer.

Selection Guide

Part Number	Product Descriptor*	Size	Duct ID Range		Cable or Duct OD Range	
			inches	mm	inches	mm
227094	JM-SIM-06S038S	0.600	0.63-0.71	16.0-18.0	0.33-0.39	8.4-9.9
136808	JM-SIM-06S038SB	0.600	0.63-0.71	16.0-18.0	0.27-0.39	6.9-9.9
E62262	JM-SIM-06O35SB	0.700	0.74-0.80	18.8-20.3	0.27-0.35	6.9-8.9
A25290	JM-SIM-07S020SB	0.750	0.78-0.86	19.8-21.8	0.08-0.20	2.0-5.1
F11916	JM-SIM-07S035SB	0.750	0.78-0.86	19.8-21.8	0.20-0.35	5.1-8.9
D30443	JM-SIM-07S040SB	0.750	0.78-0.86	19.8-21.8	0.33-0.39	8.4-9.9
D43096	JM-SIM-07S050SB-043H	0.750	0.78-0.86	19.8-21.8	0.31-0.50	7.9-12.7
C00384	JM-SIM07S057SB	0.750	0.78-0.82	19.8-20.8	0.35-0.57	8.9-14.5
356346	JM-SIM-09S050SB	0.900	0.92-1.02	23.4-25.9	0.35-0.50	8.9-12.7
E43152	JM-SIM-09S050SB-043H	0.900	0.92-1.02	23.4-25.9	0.35-0.50	8.9-12.7
735672	JM-SIM-09S065SB	0.900	1.00-1.08	25.4-27.4	0.55-0.63	14.0-16.0
E64616	JM-SIM-10S020SB	1.000	1.00-1.14	25.4-29.0	0.08-0.20	2.0-5.1
186120	JM-SIM-10S035S	1.000	1.00-1.14	25.4-29.0	0.27-0.35	6.9-8.9
A87868	JM-SIM-10S035SB	1.000	1.00-1.14	25.4-29.0	0.20-0.35	5.1-8.9
032536	JM-SIM-10S057SB	1.000	1.00-1.14	25.4-29.0	0.35-0.57	8.9-14.5
D36745	JM-SIM-10S065S	1.000	1.00-1.14	25.4-29.0	0.55-0.65	14.0-16.5
150356	JM-SIM-10S070SB	1.000	1.00-1.14	25.4-29.0	0.51-0.71	13.0-18.0
E23652	JM-SIM-11S020SB	1.100	1.12-1.26	28.4-32.0	0.08-0.20	2.0-5.1
C45061	JM-SIM-11S035SB	1.100	1.12-1.26	28.4-32.0	0.20-0.35	5.1-8.9
359872	JM-SIM-11S043S	1.100	1.12-1.26	28.4-32.0	0.35-0.43	8.9-10.9
120176	JM-SIM-11S057SB	1.100	1.12-1.26	28.4-32.0	0.35-0.57	8.9-14.5
289982	JM-SIM-11S070SB	1.100	1.12-1.26	28.4-32.0	0.51-0.71	13.0-18.0
564592	JM-SIM-11S078S	1.100	1.12-1.26	28.4-32.0	0.71-0.78	18.0-19.8
509746	JM-SIM-11S078SB	1.100	1.12-1.26	28.4-32.0	0.57-0.78	14.5-19.8
151270	JM-SIM-12S043S	1.250	1.22-1.36	31.0-34.5	0.35-0.43	8.9-10.9
C51983	JM-SIM-12S043SB-024H	1.250	1.22-1.36	31.0-34.5	0.24-0.43	6.1-10.9
960202	JM-SIM-12S057SB	1.250	1.22-1.36	31.0-34.5	0.35-0.57	8.9-14.5
33111D	JM-SIM-12S057S-FD1	1.250	1.22-1.36	31.0-34.5	Flat Drop .179 x .325x1	
101316	JM-SIM-12S057SB-043H	1.250	1.22-1.36	31.0-34.5	0.35-0.57	8.9-14.5
931062	JM-SIM-12S065S	1.250	1.22-1.36	31.0-34.5	0.55-0.65	14.0-16.5
YD8520	JM-SIM-12S065S-FD2	1.250	1.22-1.36	31.0-34.5	Flat Drop .179 x .325x2	
424922	JM-SIM-12S070SB	1.250	1.22-1.36	31.0-34.5	0.51-0.71	13.0-18.0
247320	JM-SIM-12S070SB-057H	1.250	1.22-1.36	31.0-34.5	0.51-0.71	13.0-18.0
E64727	JM-SIM-12S078SB	1.250	1.22-1.36	31.0-34.5	0.57-0.78	14.5-19.8
610036	JM-SIM-12S090SB	1.250	1.24-1.34	31.5-34.0	0.71-0.90	18.0-22.9
3S4902	JM-SIM-12S090S-FD3	1.250	1.24-1.34	31.5-34.0	Flat Drop .179 x .325x3	
360030	JM-SIM-12S090SB-078H	1.250	1.24-1.34	31.5-34.0	0.71-0.90	18.0-22.9
D34944	JM-SIM-13S043SB	1.375	1.37-1.50	34.8-38.1	0.12-0.43	3.0-10.9
F37918	JM-SIM-13S043SB-024H	1.375	1.37-1.50	34.8-38.1	0.24-0.43	6.1-10.9
240386	JM-SIM-13S057SB	1.375	1.37-1.50	34.8-38.1	0.35-0.57	8.9-14.5
201624	JM-SIM-13S070SB	1.375	1.37-1.50	34.8-38.1	0.51-0.71	13.0-18.0
539922	JM-SIM-13S097SB	1.375	1.33-1.46	33.8-37.1	0.71-0.97	18.0-24.6
D21504	JM-SIM-15S020SB	1.500	1.46-1.65	37.1-41.9	0.08-0.20	2.0-5.1
A81771	JM-SIM-15S035SB	1.500	1.46-1.65	37.1-41.9	0.08-0.35	2.0-8.9
324948	JM-SIM-15S043SB	1.500	1.46-1.65	37.1-41.9	0.08-0.43	2.0-10.9
E55265	JM-SIM-15S043SB-024H	1.500	1.46-1.65	37.1-41.9	0.24-0.43	6.1-10.9
554508	JM-SIM-15S057SB	1.500	1.46-1.65	37.1-41.9	0.35-0.57	8.9-14.5
468786	JM-SIM-15S057SB-043H	1.500	1.46-1.65	37.1-41.9	0.35-0.57	8.9-14.5
299610	JM-SIM-15S065SB	1.500	1.46-1.65	37.1-41.9	0.46-0.65	11.7-16.5
751892	JM-SIM-15S070SB	1.500	1.46-1.65	37.1-41.9	0.51-0.71	13.0-18.0
106654	JM-SIM-15S070SB-057H	1.500	1.46-1.65	37.1-41.9	0.51-0.71	13.0-18.0
588288	JM-SIM-15S090SB	1.500	1.55-1.65	39.4-41.9	0.71-0.90	18.0-22.9
D15639	JM-SIM-15S090SB-078H	1.500	1.55-1.65	39.4-41.9	0.71-0.90	18.0-22.9
428444	JM-SIM-15S110SB	1.500	1.55-1.65	39.4-41.9	0.90-1.10	22.9-27.9
582536	JM-SIM-15S070AB	1.500	1.58-1.73	40.1-43.9	0.51-0.71	13.0-18.0
790542	JM-SIM-15S090AB	1.500	1.58-1.73	40.1-43.9	0.71-0.90	18.0-22.9
331954	JM-SIM-15S110AB	1.500	1.58-1.73	40.1-43.9	0.90-1.10	22.9-27.9
D44866	JM-SIM-20S020SB	2.000	1.82-1.97	46.2-50.0	0.08-0.20	2.0-5.1
D82343	JM-SIM-20S035SB	2.000	1.82-1.97	46.2-50.0	0.08-0.35	2.0-8.9
C10624	JM-SIM-20S043SB-024H	2.000	1.82-1.97	46.2-50.0	0.24-0.43	6.1-10.9
F70795	JM-SIM-20S043S	2.000	1.82-1.97	46.2-50.0	0.35-0.43	8.9-10.9
819946	JM-SIM-20S057SB	2.000	1.82-1.97	46.2-50.0	0.35-0.57	8.9-14.5
520796	JM-SIM-20S070SB	2.000	1.82-1.97	46.2-50.0	0.51-0.71	13.0-18.0
855814	JM-SIM-20S090SB	2.000	1.82-1.97	46.2-50.0	0.71-0.90	18.0-22.9
986500	JM-SIM-20S110SB	2.000	1.82-1.97	46.2-50.0	0.90-1.10	22.9-27.9
119892	JM-SIM-21S020SB	2.100	1.98-2.18	50.3-55.4	0.08-0.20	2.0-5.1
D12262	JM-SIM-21S035SB	2.100	1.98-2.18	50.3-55.4	0.20-0.35	5.1-8.9
908720	JM-SIM-21S035S	2.100	1.98-2.18	50.3-55.4	0.27-0.35	6.9-8.9
564402	JM-SIM-21S043SB	2.100	1.98-2.18	50.3-55.4	0.35-0.43	8.9-10.9
F70711	JM-SIM-21S050S	2.100	1.98-2.18	50.3-55.4	0.43-0.50	10.9-12.7
190356	JM-SIM-21S057SB	2.100	1.98-2.18	50.3-55.4	0.35-0.57	8.9-14.5
906724	JM-SIM-21S070SB	2.100	1.98-2.18	50.3-55.4	0.51-0.71	13.0-18.0
923872	JM-SIM-21S090SB	2.100	1.98-2.18	50.3-55.4	0.71-0.90	18.0-22.9
914472	JM-SIM-21S110SB	2.100	1.98-2.18	50.3-55.4	0.90-1.10	22.9-27.9
595426	JM-SIM-21S110AB	2.100	2.14-2.22	54.4-56.4	0.90-1.10	22.9-27.9

*Suffix Descriptor: S - Standard PVC and PE ducts (ID), B - Inner bushings included, A - Oversize duct (ID), H - Hole Plug included, FD# - Bushing for flat fiber drop included

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