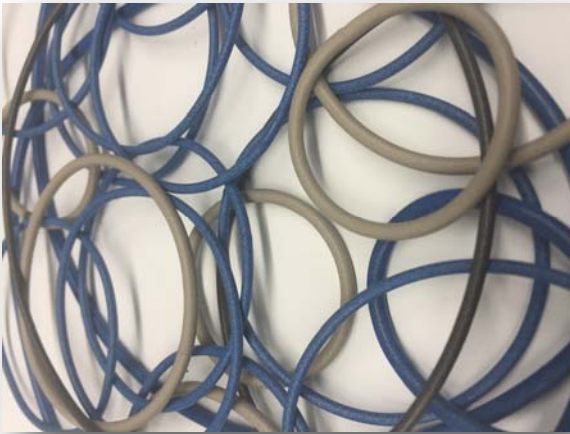




We offer O-rings in a wide range of material types. Including extruded & vulcanized types of rubber, conductive materials and more. We have O-ring stock available in standard inch sizes, as well as metric. We can also create custom O-rings to meet your specifications. Need an O-ring designed? We can do that too! We are proud to supply O-rings across the country, and around the world, to companies in over a dozen different industries.



SPLICED and VULCANIZED O-RINGS

ECS3 Series / ECS300 Series Capabilities & M83528 O-Rings

Spliced or vulcanized O-rings made from conductive & non-conductive silicone that can be used in environmental sealing and other semiconductor processing applications. Extruded cord stock is available in many standard cross-sections. Spliced or vulcanized O-rings are made from an extruded cord and then vulcanized to form the O-ring size (ID) required. Spliced O-rings are a low cost, effective solution when standard O-rings cannot be used. Spliced O-rings with ID's that range from 1" up. Splices at the joints are almost seamless.

The splicing method used enables a quick production of O-rings that conform to most industry specifications or to your custom requirements. This technology reduces the manufacturing time for spliced O-rings as well as the cost hurdles associated with custom O-rings. Whether your intended use is prototyping or large-scale commercialization, spliced O-rings deliver a quick-sealing solution.

The available standard cross sections are: 0.040", 0.062", 0.070", 0.103", 0.139", 0.210", 0.275", 0.312", 0.375", 0.500"

If some of your applications may require tighter Cross-Section Tolerances, East Coast Shielding can provide whatever your requirements may be.

7635 RONSON ROAD · SAN DIEGO, CALIFORNIA 92111 · TEL: 858-278-3270 · FAX: 858-278-2950

E-MAIL: sales@sandiegoseal.com · VISIT US AT: www.sandiegoseal.com

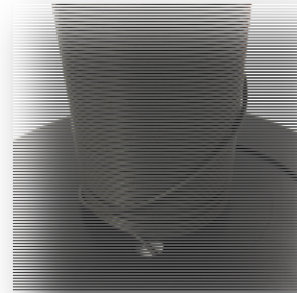
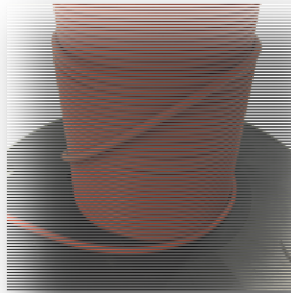
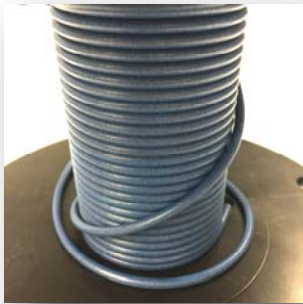
Advantages of Spliced O-Rings:

- O-rings or Seals can be made from a range of compounds (ECS3 Series Conductive Silicone & ECS300 Series Non-Conductive Silicone)
- No Tooling required for standard ID/OD O-Rings Cord
- O-rings can be made in virtually any diameter and length
- Shorter lead times and faster delivery than molded rings

O-Ring Cord Cut Length Calculator:

Calculated O-ring Cord Cut Length: $((OD+ID)/2) \times \text{Pi} = \text{length}$

(Pi = 3.1416), ID = OD—(2 x C/S)



O-Ring Materials

An O-ring is only as good as the material it is crafted from. East Coast Shielding makes certain that we have a huge selection of top quality materials to choose from:

- Silicone (ECS300 Series)
 - Fluorosilicone
- Conductive elastomers (ECS3 Series)
- Silicone sponge elastomers (ECS300 Series)

Our massive selection of materials guarantees that we can make an O-ring that is right for you no matter what the application. Please ask us about custom material.



SAN DIEGO SEAL, INC.

7635 RONSON ROAD · SAN DIEGO, CALIFORNIA 92111

TEL: 858-278-3270 · FAX: 858-278-2950

BONDED O-RINGS : MILITARY TYPE PER M83528/002—M83528/005

Available in

ECS1000 /2000 5000 5000F 6000 8000/8000F

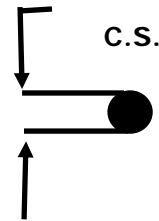
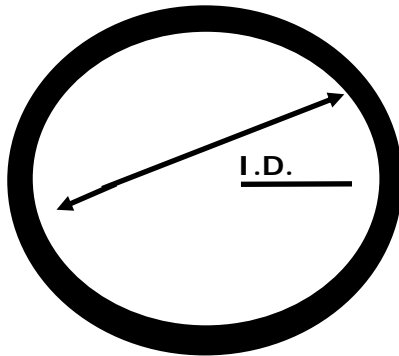
Type: B Type: D Type: M Type: A-C

P/N example ECS3 - XXXX - XXXX Specification in table below

ECS Series	ECS Pt #	Material
------------	----------	----------

Example :

M83528	002/005 (size)	B (material)	001 (size)
--------	----------------	--------------	------------



Part #	C.S.	I.D.	M83528/002	M83528/005
ECS3-200-XXXX	.030	.442		005/001
ECS3-201-XXXX	.030	.577		005/002
ECS3-202-XXXX	.030	.692		005/003
ECS3-203-XXXX	.030	.817		005/004
ECS3-204-XXXX	.039	.425		005/005
ECS3-205-XXXX	.048	.295		005/006
ECS3-206-XXXX	.050	.533		005/007



7635 RONSON ROAD • SAN DIEGO, CALIFORNIA 92111 • TEL: 858-278-3270 • FAX: 858-278-2950
E-MAIL: sales@sandiegoseal.com • VISIT US AT: www.sandiegoseal.com

BONDED O-RINGS : M83528/002 - M83528/005

Part #	C.S.	I.D.	M83528/002	M83528/005
ECS3-207-XXXX				005/008
ECS3-208-XXXX				005/009
ECS3-209-XXXX				005/010
ECS3-210-XXXX				005/011
ECS3-211-XXXX				005/012
ECS3-212-XXXX				005/013
ECS3-213-XXXX				005/014
ECS3-214-XXXX	.070	.145	002/007	
ECS3-215-XXXX	.070	.301	002/011	
ECS3-216-XXXX	.070	.364	002/012	
ECS3-217-XXXX	.070	.426	002/013	
ECS3-218-XXXX	.070	.489	002/014	
ECS3-219-XXXX	.070	.495		005/015
ECS3-220-XXXX	.070	.551	002/015	
ECS3-221-XXXX	.070	.610		005/016
ECS3-222-XXXX	.070	.635		005/017
ECS3-223-XXXX	.070	.667		005/018



7635 RONSON ROAD • SAN DIEGO, CALIFORNIA 92111 • TEL: 858-278-3270 • FAX: 858-278-2950
E-MAIL: sales@sandiegoseal.com • VISIT US AT: www.sandiegoseal.com

BONDED O-RINGS : M83528/002 - M83528/005

Part #	C.S.	I.D.	M83528/002	M83528/005
ECS3-224-XXXX	.070	.676	002/017	
ECS3-225-XXXX	.070	.739	002/018	
ECS3-226-XXXX	.070	.801	002/019	
ECS3-227-XXXX	.070	.860		005/019
ECS3-228-XXXX	.070	.864	002/020	
ECS3-229-XXXX	.070	.926	002/021	
ECS3-230-XXXX	.070	.989	002/022	
ECS3-231-XXXX	.070	1.114	002/024	
ECS3-232-XXXX	.070	1.176	002/025	
ECS3-233-XXXX	.070	1.230		005/020
ECS3-234-XXXX	.070	1.239	002/026	
ECS3-235-XXXX	.070	1.364	002/028	
ECS3-236-XXXX	.070	1.614	002/030	
ECS3-237-XXXX	.070	1.864	002/032	
ECS3-238-XXXX	.070	3.489	002/043	
ECS3-239-XXXX	.103	.612	002/114	
ECS3-240-XXXX	.103	.676	002/115	



7635 RONSON ROAD • SAN DIEGO, CALIFORNIA 92111 • TEL: 858-278-3270 • FAX: 858-278-2950
E-MAIL: sales@sandiegoseal.com • VISIT US AT: www.sandiegoseal.com

BONDED O-RINGS : M83528/002 - M83528/005 - M83528/013

Part #	C.S.	I.D.	M83528/002	M83528/005	M83528/013
ECS3-241-XXXX	.103	.799	002/117		
ECS3-242-XXXX	.103	1.362	002/126		
ECS3-243-XXXX	.103	1.487	002/128		
ECS3-244-XXXX	.103	1.612		005/022	
ECS3-245-XXXX	.103	1.737	002/132		
ECS3-246-XXXX	.103	1.790		005/023	
ECS3-247-XXXX	.103	1.862	002/134		
ECS3-248-XXXX	.103	2.362	002/142		
ECS3-249-XXXX	.103	2.550	002/145		
ECS3-250-XXXX	.103	3.987	002/155		
ECS3-251-XXXX	.115	2.683			013/029
ECS3-252-XXXX	.139	2.011			013/022



7635 RONSON ROAD • SAN DIEGO, CALIFORNIA 92111 • TEL: 858-278-3270 • FAX: 858-278-2950
E-MAIL: sales@sandiegoseal.com • VISIT US AT: www.sandiegoseal.com

BONDED O-RINGS : M83528/002 - M83528/005

* Material table below *

	Carbon 1000	Nickel Graphite 2000	Nickel Graphite 2000F	Silver Aluminum 5000	Silver Aluminum 5000F	Silver Glass 6000	Silver Copper 8000
Elastomer	Silicone	Silicone	Fluoro- silicone	Silicone	Fluoro- silicone	Silicone	Silicone
Color	Black	Dark Gray	Dark Gray	Blue*	Blue*	Tan	Tan
Specific Gravity, gm/cc	1.2	1.95	1.95	2.0	2.0	1.9	3.5
Durometer Shore A	70	30-70	65	65	70	65	65
Volume Resistivity, Ohm-cm	7.0	0.10	0.10	0.008	0.012	0.006	0.004
Operating Temperature: Min C	-55°	-55°	-55°	-55°	-55°	-55°	-55°
Operating Temperature: Max C	200°	150°	150°	160°	160°	160°	125°
Compression Deflection % Min.	3.5	3.5	3.0	3.5	3.5	3.5	3.5
Tensile Strength, P.S.I.	650	150	150	200	180	200	200
Elongation % Min.	100%	100%	100%	100%	60%	100%	100%
Elongation % Max.	-	-	-	300%	260%	300%	300%
Compression Set %	40	35	25	32	30	30	32
Tear Strength lb./in.	40	40	35	30	35	30	25
Shielding Effectiveness (100 Mhz)	80	100	100	120	120	100	120
Shielding Effectiveness (500 Mhz)	80	100	100	120	120	100	120
Shielding Effectiveness (2 Ghz)	60	100	100	115	115	90	120
Shielding Effectiveness (10 Ghz)	50	100	100	115	115	90	120



7635 RONSON ROAD • SAN DIEGO, CALIFORNIA 92111 • TEL: 858-278-3270 • FAX: 858-278-2950
E-MAIL: sales@sandiegoseal.com • VISIT US AT: www.sandiegoseal.com