

1200 Series Conductive Elastomers



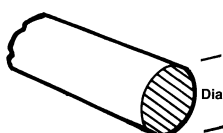
Conductive elastomers are fully post cured silicones or fluorosilicones loaded with highly conductive particles providing low contact resistance between mating surfaces. The various fillers are designed to ensure galvanic compatibility between the surfaces. Extruded profiles are available in continuous lengths or fabricated to your requirements.

For use in enclosures where space is limited and high shielding performance is required with the benefit of an environmental seal. Fluorosilicone is offered where resistance to fuel contamination is needed and various metallic fillers to ensure galvanic compatibility with mating surfaces.

Shown are the standard profiles available on open tooling. Special custom profiles and duo extrusions (conductive bonded to non-conductive elastomers) are available to order with low cost tooling. Extra soft extrusions based on conductive-coated silicones are also available. Please contact our sales office to discuss your requirements.

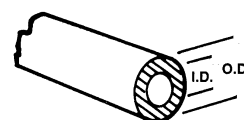
DIMENSIONS ARE IN MILLIMETRES

Round Section



Diameter	Part No
1.02	1201-XX-0010
1.35	1201-XX-0014
1.57	1201-XX-0016
1.78	1201-XX-0018
2.03	1201-XX-0020
2.36	1201-XX-0024
2.62	1201-XX-0026
2.84	1201-XX-0028
3.02	1201-XX-0030
3.18	1201-XX-0032
3.30	1201-XX-0033
3.53	1201-XX-0035
3.81	1201-XX-0038
4.06	1201-XX-0040
4.78	1201-XX-0048
5.49	1201-XX-0055
6.35	1201-XX-0064

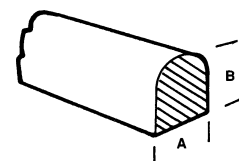
Tubular Section



OD mm	ID mm	Part No
2.40	0.80	1202-XX-0024-0008
3.18	1.14	1202-XX-0032-0010
3.96	1.27	1202-XX-0040-0013
6.35	3.18	1202-XX-0064-0032
7.92	4.88	1202-XX-0080-0050
9.53	6.35	1202-XX-0095-0064

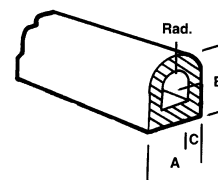
Your dimensions

Solid D Section



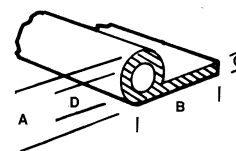
Width A	Height B	Part No
1.40	1.63	1203-XX-0014-0016
1.57	1.73	1203-XX-0016-0017
2.39	1.98	1203-XX-0024-0020
1.98	2.26	1203-XX-0020-0023
1.57	2.54	1203-XX-0016-0025
3.81	2.79	1203-XX-0038-0028
3.00	3.96	1203-XX-0030-0040
4.52	4.45	1203-XX-0045-0045
3.96	3.96	1203-XX-0040-0040

Hollow D Section



Width A	Height B	Wall C	Radii R	Part No
3.96	3.96	1.14	1.98	1204-XX-0040-0040
4.75	4.72	1.27	2.36	1204-XX-0048-0048
7.92	7.92	1.27	3.96	1204-XX-0080-0080
7.92	7.92	1.57	3.96	1204-XX-0081-0081
12.37	8.23	2.03	6.20	1204-XX-0124-0080
6.35	6.35	1.65	3.18	1204-XX-0064-0064

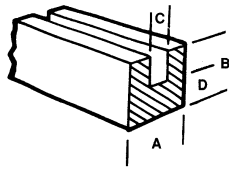
Hollow P Section



Dim A	Dim B	Dim C	Dim D	Part No
5.08	12.70	1.57	2.03	1205-XX-0050-0127
5.08	21.59	1.57	2.03	1205-XX-0050-0220
6.35	12.70	1.57	3.18	1205-XX-0064-0127
6.35	15.88	1.57	3.81	1205-XX-0064-0160
6.35	22.22	1.57	3.18	1205-XX-0064-0222
7.92	22.22	1.57	4.75	1205-XX-0080-0222
9.14	19.81	1.79	6.48	1205-XX-0090-0200

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Channel Section

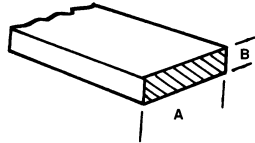


Dim A	Dim B	Dim C	Dim D	Part No
2.54	2.54	0.86	0.84	1206-XX-0025-0025
3.20	2.79	0.66	1.27	1206-XX-0032-0028
3.20	5.72	0.51	1.91	1206-XX-0032-0058
3.96	3.94	1.57	1.19	1206-XX-0040-0040
4.45	3.96	1.19	1.91	1206-XX-0045-0040
8.31	5.94	1.57	2.92	1206-XX-0080-0060

Materials (XX in part number is material code)

Material Code	Carrier	Filler
SNG	Silicone	Nickel/Graphite
SSG	Silicone	Silver/Glass
SSA	Silicone	Silver/Aluminium
SSC	Silicone	Silver/Copper
SSN	Silicone	Silver/Nickel
SS	Silicone	Silver
SC	Silicone	Carbon
FNG	Fluorosilicone	Nickel/Graphite
FSA	Fluorosilicone	Silver/Aluminium
FSC	Fluorosilicone	Silver/Copper
FSN	Fluorosilicone	Silver/Nickel

Flat Strip Section

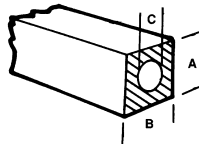


Dim A	Dim B	Part No
1.60	1.07	1207-XX-0016-0010
2.41	1.57	1207-XX-0024-0016
3.05	1.91	1207-XX-0030-0020
3.18	1.57	1207-XX-0032-0016
3.96	1.57	1207-XX-0040-0016
6.35	1.57	1207-XX-0064-0016
12.70	1.91	1207-XX-0127-0020
12.70	3.18	1207-XX-0127-0032
12.70	4.78	1207-XX-0127-0048
19.05	1.57	1207-XX-0190-0016
22.35	1.57	1207-XX-0224-0016
25.40	6.35	1207-XX-0254-0064

Shielding Effectiveness (dB)

Material Grade	200Khz (H-Field)	100MHz (E-Field)	500MHz (E-Field)	2GHz (Plain Wave)	10GHZ (Plain Wave)
SNG	40	100	100	100	90
SSG	50	100	100	90	80
SSA	70	115	110	105	100
SSC	70	120	120	120	120
SSN	75	110	110	105	100
SS	70	120	120	120	120
SC	30	70	60	40	30
FNG	40	100	100	100	90
FSA	55	110	100	100	95
FSC	70	120	120	120	120
FSN	70	120	120	115	110

Hollow Rectangular Section



Dim A	Dim B	Ø C	Part No
7.75	8.38	3.18	1208-XX-0078-0084
9.53	9.53	4.78	1208-XX-0095-0095

Sheet

Thickness	Size or Shape	Part No
0.3	TBA	1209-XX-0003-XXX
0.5	TBA	1209-XX-0005-XXX
0.75	TBA	1209-XX-0008-XXX
1.0	TBA	1209-XX-0010-XXX
2.0	TBA	1209-XX-0020-XXX
Your dimension	TBA	1209-XX TBA