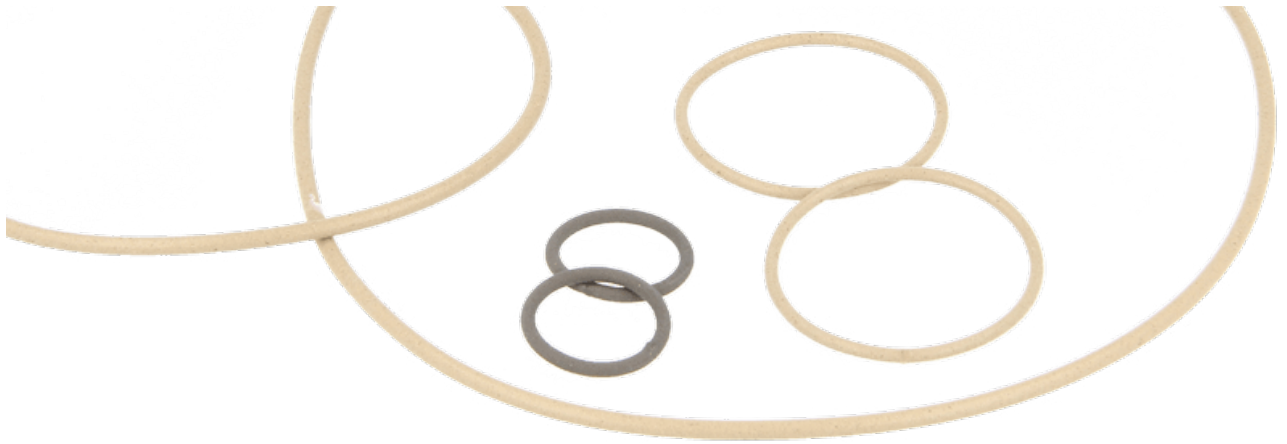


Conductive rubber O-rings



Conductive rubber O-rings 7910

For EMI shielding applications in grooves. Also suitable where IP seal is required.

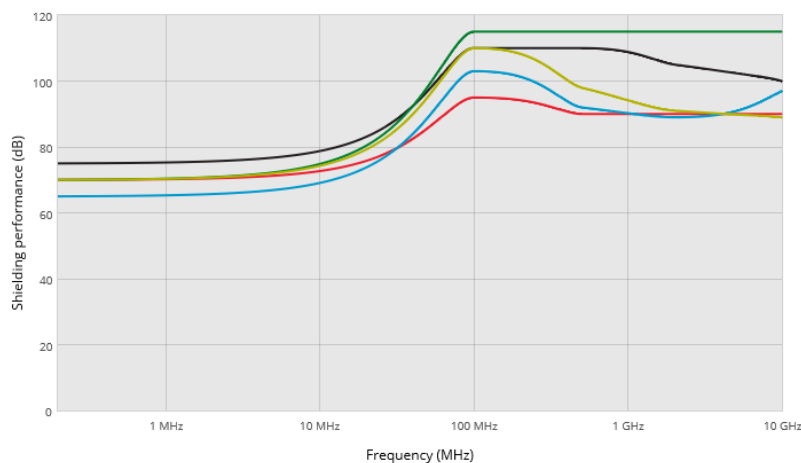
The 7910 series Jointed O-rings are practically the same as the 7900 series O-Profiles, however, this is a turnkey closed O-ring. They are used where environmental and EMI screening is required but where little space is available.

Four kinds of cores are available:

- solid
- hollow extrusion
- cell rubber
- small rectangular shapes

These cores can be covered with metallized fabric foils or made out of conductive rubber. For optimal shielding performance a compression of 5-10% is recommended for solid elastomers and 10-50% for hollow extrusions and cell rubbers.

7910 series O-rings



Please note : These values are measured under laboratory conditions. Results may vary in other situations; please read our Guarantee.

Material options

Conductive rubber O-rings

Type	Code	Core	Cover
7910-x-x-1-1	1-1	Neoprene	Amucor foil
7910-x-x-1-2	1-2	Neoprene	Conductive fabric
7910-x-x-2-1	2-1	Silicone	Amucor foil
7910-x-x-2-2	2-2	Silicone	Conductive fabric
7910-x-x-3-1	3-1	PVC	Amucor foil
7910-x-x-3-2	3-2	PVC	Conductive fabric
7910-x-x-4-1	4-1	EPDM	Amucor foil
7910-x-x-4-2	4-2	EPDM	Conductive fabric
7910-x-x-5-3	5-3	Silvered particles filled silicone rubber	-
7910-x-x-5-4	5-4	Nickel filled silicone rubber	-
7910-x-x-5-5	5-5	Graphite filled silicone	-

X needs to be replaced for extrusion type & dimensions

Technical details

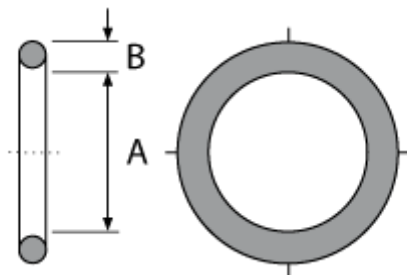
Conductive material	Conductive fabric	Amucor	Graphite	Nickel graphite	Silver aluminium
Operating temperature	-	-	+160	+160	+160
Range °C	-	-	-50	-55	-55
Colour	Grey	Silver	Black	Dark grey	Beige
Shore hardness (A +/-) ASTM D2240	-	-	60	60	65
Volume resistivity (ohms) ASTM D991	-	-	2.2	0.04	0.008
Specific gravity (+/- 0.25)	-	-	2.0	2.0	2.0

These values are measured under laboratory conditions.
In other situations, results may differ; please read our Guarantee.

Standard dimensions

Conductive rubber O-rings

Part number	A >mm	B >mm
7910-6.6-1.8	6.6	1.8
7910-7.5-1.2	7.5	1.2
7910-9.2-1.8	9.2	1.8
7910-10.5-1.4	10.5	1.4
7910-11.3-1.3	11.3	1.3
7910-12.5-1.8	12.5	1.8
7910-12.7-2.5	12.7	2.5
7910-14.0-1.8	14.0	1.8
7910-16.1-1.6	16.1	1.6
7910-17.2-1.8	17.2	1.8
7910-18.8-1.8	18.8	1.8
7910-19.2-2.5	19.2	2.5
7910-20.3-1.8	20.3	1.8
7910-21.9-1.8	21.9	1.8
7910-23.4-3.5	23.4	3.5
7910-25.1-1.8	25.1	1.8
7910-25.4-6.4	25.4	6.4
7910-28.6-1.8	28.3	1.8
7910-31.5-1.8	31.5	1.8
7910-34.6-2.6	34.6	2.6
7910-34.7-1.8	34.7	1.8
7910-37.8-2.6	37.8	2.6
7910-40.9-2.6	40.9	2.6
7910-44.1-2.6	44.1	2.6



Series	Dimension A (mm)	Dimension B (mm)	Base material	Covering
7910	Select an option:	Select an option:	Select an option:	Select an option:
	14.0 : 14.0 mm	Specify diameter in mm	1 : Neoprene	1 : Reinforced amucor
	17.2 : 17.2 mm		2 : Silicone	2 : Conductive fabric
	18.8 : 18.8 mm		3 : PVC	3 : Silver particles filled rubber
	20.4 : 20.4 mm		4 : EPDM	4 : Nickel filled rubber
	21.9 : 21.9 mm		5 : Conductive rubber	5 : Graphite filled rubber
	25.1 : 25.1 mm			
	28.3 : 28.3 mm			
	31.5 : 31.5 mm			
	34.7 : 34.7 mm			
	37.8 : 37.8 mm			
	41.0 : 41.0 mm			
	44.1 : 44.1 mm			
	Other : Specify custom dimension			

: The red blocks are required