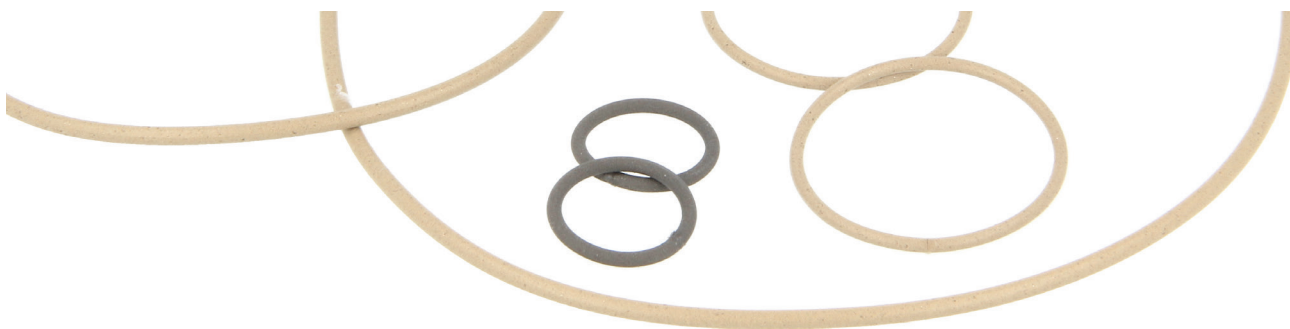


# CONDUCTIVE O-RINGS 7910

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



The 7910 series Jointed O-ring 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 in the following shapes:

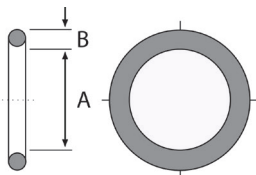
- Solid
- Hollow extrusion,
- Cell rubber
- Small rectangular

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.

## MATERIAL OPTIONS

Base material	Covering
1 : Neoprene	1 : Reinforced Amucor
2 : Silicone	2 : Conductive fabric
3 : PVC	3 : Silver filled rubber
4 : EPDM	4 : Nickel filled rubber
5 : Conductive rubber	5 : Graphite filled rubber

## STANDARD DIMENSIONS



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
7910-12.4-1.8	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

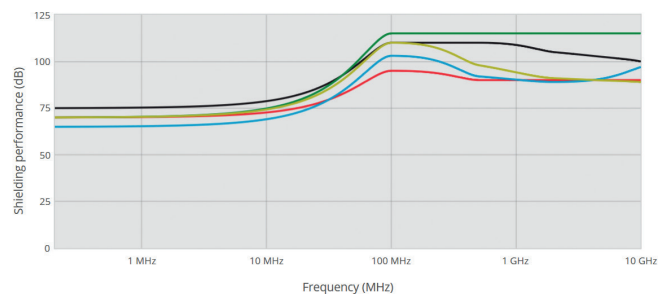
Part number	A (mm)	B (mm)
7910-20.3-1.8	20.3	1.8
7910-21.9-1.8	21.9	1.8
7910-23.4-3.5	23.4	3.5
7910-25.1-1.8	25.1	1.8
7910-25.4-6.4	25.4	6.4
7910-28.3-1.8	28.3	1.8
7910-31.5-1.8	31.5	1.8
7910-34.6-2.6	34.6	2.6
7910-34.7-1.8	34.7	1.8
7910-37.8-2.6	37.8	2.6
7910-40.9-2.6	40.9	2.6
7910-44.1-2.6	44.1	2.6

## TECHNICAL DETAILS

Conductive material	Conductive fabric	Amucor	Graphite	Nickel graphite	Silver aluminum
Operating Temp	-	-	+160	+160	+160
Range (°C)	-	-	-50	-55	-55
Color	Gray	Silver	Black	Dark Gray	Beige
Shore Hardness (A +/-5) 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.

## SHIELDING PERFORMANCE\*



■ Graphite filled
■ Nickel filled
■ Silvered particles filled
■ Conductive fabric
■ Amucor foil

## ORDER EXAMPLE

**Series** **7910** — **Dimension A (mm)** — **Dimension B (mm)**

Specify the dimensions from the table. — Specify diameter in mm

**Base material** — **Covering**

1 : Neoprene	1 : Reinforced amucor
2 : Silicone	2 : Conductive fabric
3 : PVC	3 : Silver particles filled rubber
4 : EPDM	4 : Nickel filled rubber
5 : Conductive rubber	5 : Graphite filled rubber