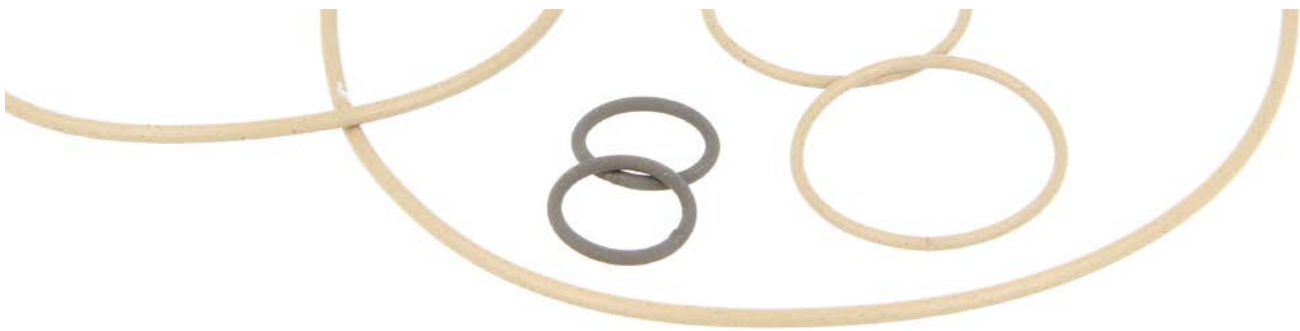


CONDUCTIVE O-RINGS 7910

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



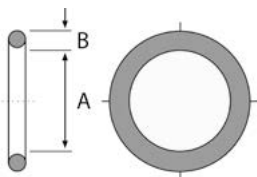
The 7910 series Jointed O-ring are practically the same as the 7900 series O-Profiles, however, this is a turnkey closed O-ring. They are used where environmental and EMI screening is required but where little space is available.

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

Type	Code	Core	Cover
7910-X-X-11	11	Neoprene	Amucor foil
7910-X-X-12	12	Neoprene	Conductive fabric
7910-X-X-21	21	Silicone	Amucor foil
7910-X-X-22	22	Silicone	Conductive fabric
7910-X-X-41	41	EPDM	Amucor foil
7910-X-X-42	42	EPDM	Conductive fabric
7910-X-X-53	53	Silvered particles filled silicone rubber	No cover possible
7910-X-X-54	54	Nickel filled silicone rubber	No cover possible
7910-X-X-55	55	Graphite filled silicone	No cover possible

STANDARD DIMENSIONS



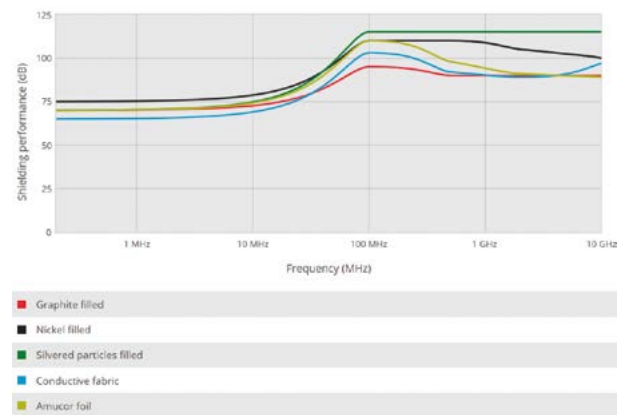
Part number	A(mm)	B(mm)	Part number	A (mm)	B (mm)
7910-6.6-1.8	6.6	1.8	7910-20.3-1.8	20.3	1.8
7910-7.5-1.2	7.5	1.2	7910-21.9-1.8	21.9	1.8
7910-9.2-1.8	9.2	1.8	7910-23.4-3.5	23.4	3.5
7910-10.5-1.4	10.5	1.4	7910-25.1-1.8	25.1	1.8
7910-11.3-1.3	11.3	1.3	7910-25.4-6.4	25.4	6.4
7910-12.4-1.8	12.5	1.8	7910-28.3-1.8	28.3	1.8
7910-12.7-2.5	12.7	2.5	7910-31.5-1.8	31.5	1.8
7910-14.0-1.8	14.0	1.8	7910-34.6-2.6	34.6	2.6
7910-16.1-1.6	16.1	1.6	7910-34.7-1.8	34.7	1.8
7910-17.2-1.8	17.2	1.8	7910-37.8-2.6	37.8	2.6
7910-18.8-1.8	18.8	1.8	7910-40.9-2.6	40.9	2.6
7910-19.2-2.5	19.2	2.5	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*



ORDER EXAMPLE

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

Specify the dimensions from the table. Specify diameter in mm

Core + cover

11 : Neoprene + Amucor foil
 12 : Neoprene + Conductive fabric
 21 : Silicone + Amucor foil
 22 : Silicone + Conductive fabric
 41 : EPDM + Amucor foil
 42 : EPDM + Conductive fabric
 53 : Silvered particles filled silicone rubber (no cover)
 54 : Nickel filled silicone rubber (no cover)
 55 : Graphite filled silicone (no cover)