

What are “Seal-All Connectors”

Seal-All connectors are an environmentally sealed connection system designed to withstand exposure to extreme temperatures, moisture, and harsh engine compartment fluids and chemicals with unfaltering performance. It consists of mating heat stabilized polyamide housings (Seal-All “towers and shrouds”), male and female “pin and socket” Seal-All terminals and self-lubricating silicone Seal-All connector seals, cable seals and cavity plugs. The system is rated 0.05–16.0 VDC, 0-20A. Seal-All connector configurations are available for one to six wires.

What is the maximum current rating for Seal-All connectors?

Seal-All connectors are rated at 0 - 20 amps maximum.

How do I choose the right size cable seal?

The choice of cable seal is determined by the insulation diameter of the wire being used. The guidelines offered below apply to Seal-All installations.

For Type GPT and GXL wire, the red seal normally fits 22 gauge; the green seal normally fits 20, 18, and 16 gauge; the gray seal normally fits 14 gauge; and the blue seal normally fits 12 gauge.

For heavier wall Type SXL wire, the green seal normally fits 20 and 18 gauge; the gray seal normally fits 16 gauge; and the blue seal normally fits 14 and 12 gauge.

For thin-wall wire construction such as Type TXL, the red seal normally fits 20 gauge; the green seal normally fits 18, 16 and 14 gauge; the gray seal normally fits 12 gauge; and the blue seal normally fits 10 gauge.

The installer must be certain that the seal fits snugly over the wire insulation to maintain a proper environmental seal.

Why is Seal-All available in 12-gauge if the maximum current rating is only 20 amps?

The 12-gauge Seal-All terminals are designed for signal voltages where conductor reliability is critical. A larger conductor will provide a clearer signal than a smaller one. The 12-gauge Seal-All terminals should not be used in high-current applications that would normally use 12-gauge wire.

Why are there slits on some of the individual towers on Seal-All's tower connectors?

The slits are called **indexing slots** and they prevent mismatching. A Seal-All tower connector will only fit the matching Seal-All shroud connector.

Do I need a crimp tool made specifically for Seal-All Connectors?

We recommend using a crimper designed for the Seal-All terminals, however, many open barrel crimp tools can perform an acceptable Seal-All wire crimp.

What does a proper Seal-All crimp look like?



Seal loaded on stripped wire
(wire stripped 5.0mm or 3/16")



Terminal, seal and wire
(positioned to be crimped)



