

TECHNICAL SUPPORT BULLETIN #1

WIRING 16-14 ga Extension Cords.

The Qwik-Lok connector is designed to accept extension cords ranging from 16 ga to 10ga.

The light weight cables have various diameters that, due to their smaller size and to prevent fraying and insulation breakdown, we have designed a cord restraint with 3 internal diameters. At each ring mark, the diameter changes to accommodate larger wires up to light weight 12 ga.

Cut the ring with a pair of wire snips or knife. By using liquid soap or lube when inserting the cable through the whip, the wire will slide through easily. Make sure the end of the insulation proceeds 3/4" out as shown. The whip will expand easily.

For cables of 5/8" diameter, typically SEOW rubber, industrial size, the whip is no longer needed, nor is the wire clamp on the inside. The cable nests perfectly in wiring cover recess. The strength of the 10 or 12 ga. wire insulation alone acts as the cable restraint.

SOLDERING:

Now that you have wired it up, there is an option to solder the wires and for the few minutes it takes, this makes good sense. Soldering achieves a lasting and permanent union. Even if the terminal screws are loosened or the wires come loose over time, the solder will hold and you get perfect electrical conductivity every time. Soldering makes this product certifiable to the Hospitals, Military and the Motion Picture industry as well as companies that insist on zero failure tolerances.

