

Insulated Wire and Uses

A. Double-Insulated Wire (DCPIW34)

Specifically designed to carry high voltage (up to 10,000v) electric fence pulses:

Steel wire is 12.5 gauge galvanized high-tensile. The 2 insulation layers are polyethylene. Outer diameter is 0.37".

For underground burial we advise that it be enclosed in 3/4" (or larger) black plastic water pipe. Why? To provide extra protection from rocks and traffic and to enable it to be easily replaced if desired.

Note: Some users have experienced cracks in the insulation developing over time when this wire is bent—particularly as it enters the soil. We think this is due to the differing expansion and contraction rates of the wire and the plastic. The solution? Use MaxiShock Insulated Cable (*at left*). It's insulation has never failed.

Why not use household insulated wire?

Because fence voltages may exceed 10,000 volts, all household insulated wire (rated at 600v) will fail in a few weeks.

Double-Ins. Wire, 25', 1.45 lb.....#164105	\$7.25
Double-Ins. Wire, 50', 2.85 lb.....#164104	\$14.50
Double-Ins. Wire, 100', 5.70 lb.....#164107	\$29.00
Double-Ins. Wire, 300', 16.25 lb.....#164108	\$86.00
Double-Ins. Wire, 1000', 59 lb.....#164103	\$288.00

B. MaxiShock™ Insulated Cable (PIW2510)

Premier's popular and proven MaxiShock cable covered with plastic insulation.

Use for connecting:

- Hot wires to each other.
- Energizers to fences or ground rods.
- Gate activators to fences.
- Flood gaps to fences.

Can be removed and reinstalled many times. The thick zinc layer on MaxiShock cable will protect the connection from rusting for years.

To connect for a short period, just wrap MaxiShock tightly around the conductor 5 or more times. It's simple and quick.

For permanent wire fences connect it the same as double-insulated wire—with manual joint clamps or RopeLinks. For manual joint clamps onto HT wire it works best to bend the bare cable end back and forth to provide 2-3 thickness within the joint clamp.

MaxiShock Ins. Cable, 10', .20 lb.....#163900	\$4.25
MaxiShock Ins. Cable, 50', 1.05 lb.....#164000	\$13.50
MaxiShock Ins. Cable, 100', 2.25 lb.....#164010	\$28.00
MaxiShock Ins. Cable, 500', 10.45 lb.....#164020	\$129.00
MaxiShock Double-Ins., 25', .95 lb.....#164205	\$7.25*
MaxiShock Double-Ins., 50', 1.85 lb.....#164204	\$14.50*
MaxiShock Double-Ins., 100', 3.75 lb.....#164207	\$29.00*
MaxiShock Double-Ins., 300', 11 lb.....#164208	\$86.00*
MaxiShock Double-Ins., 1000', 38.50 lb..#164203	\$288.00*

*Use for underground burial.



Where and when?

1. Energizer to switch—

Use insulated wire from the energizer, then buried underground and finally up the post to the switch. Strip 2" at end and wrap bare wire around the stainless steel bolt of the switch.

2. Cut-out switch to fence—

Use insulated MaxiShock™. Strip 2" from cable/wire and secure bare wire to the bolt on the switch. Strip 5" from the other end, place it alongside the rope—and squeeze it tight with a RopeLink as shown in inset.

(We used to just wrap it around the rope or spring—but that tended to fail over time.)

If connecting to HT wire, use a manual joint clamp to squeeze the conductors together.

3. Connecting multiple wires—

Shown at right. We use RopeLinks to squeeze MaxiShock's wires securely against the IntelliRope.

4. Connecting the energizer to the ground rod—

Use insulated wire and squeeze it against the stake with a stainless steel clamp (see inset at right).

