

## PE-54 Communication Cable

**Conductor construction** is soft drawn bare copper meeting the requirements of ASTM Specification B-3. The conductors are 19 awg solid copper. All gauges have flexible stranding conductors.

The conductors are insulated with polyethylene (PE) in distinctive colors to facilitate pair identification and are twisted into pairs with varying lays to minimize crosstalk.

The interstices between the pairs are filled with Waterbloc compound and covered with a non-hygroscopic core wrap. The inner and outer surfaces of the core wrap are coated with Waterbloc compound.

The assembly is then longitudinally wrapped with a corrugated .008" (0.2 mm) thick copolymer-coated aluminum tape. This tape reduces the possibility of shield corrosion and lightning damage. The outer surface of the shield is flooded with Enviroblock compound. The outer jacket is polyethylene (PE).

**Application:** Suitable for use as direct burial communication applications where protection against water and moisture entry is a critical requirement. PE-39 is recommended where rodent attack is possible.

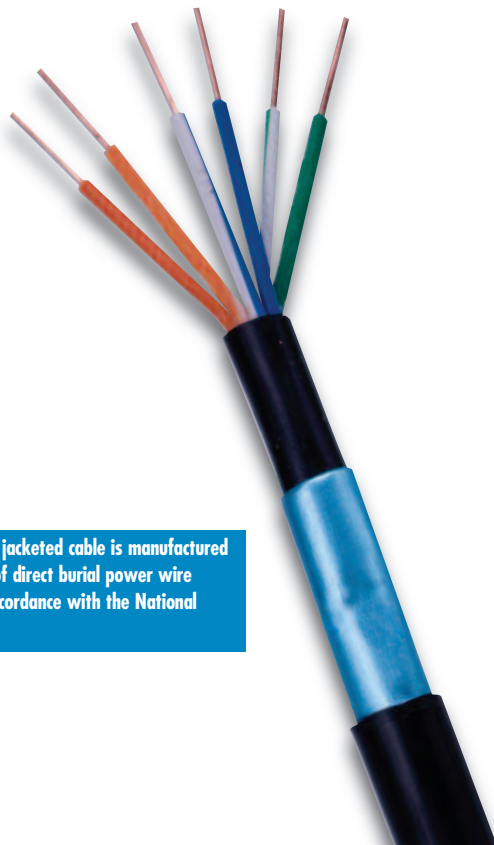
**Conductor:** Soft drawn bare copper (ASTM Spec. B-3)  
Solid (19 awg)

**Insulation:** Polyethylene (PE)

**Outer Jacket:** Polyethylene (PE)

**Temperature:** 60° C

**Voltage:** 8.523 OHMS Per M Feet at 68° F



Regency's PE-39 jacketed cable is manufactured for the purpose of direct burial power wire applications in accordance with the National Electric Code.

**Number of Pairs**  
3

**Outside Diameter**  
.042

**Cable Weight**  
84 / M'