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## PE – 89 Communication Cable

### Description:

Regency's PE – 89 Communication Cable is a six (6) pair cable manufactured for the purpose of direct burial systems communication applications in accordance with the National Electric Code.

Conductor construction is soft drawn bare copper meeting the requirements of ASTM Specification B-3. The conductors are 22 awg solid copper.

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 an 80 C filling compound and covered with a low density, high molecular weight black polyethylene (PE).

The assembly is then wrapped with two metal shield tapes:

- A corrugated .008" thick polymer coated aluminum tape and a corrugated .006" polymer coated steel tape.

### Application:

Suitable for use as direct burial communication applications where protection against water and moisture entry is a critical requirement. PE – 89 is recommended where rodent attack is possible.

### Construction:

**Conductor:** Soft drawn bare copper (ASTM Spec. B-3).  
Solid (22 awg)  
**Inner Jacket:** Polyethylene (PE)  
**Outer Jacket:** Polyethylene (PE)  
**Temperature:** 60 C  
**Resistance:** 17.235 OHMS PER M FEET at 68 DEG. F

Number of Pairs	Outside Diameter	Cable Weight
6	.40 in.	78 / M'