



Transformer Riser Wire, Protected Ground Wire (PGW), Cathodic Protection (CP) Cables, LLDPE

Black Polyethylene Covered. Solid or Stranded Soft Drawn Copper Conductor



Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

- Conductor:** Conductors are solid or stranded compressed copper
- Covering:** Black Linear Low Density Polyethylene (LLDPE) also known as High Molecular Weight Polyethylene (HMWPE)

APPLICATIONS AND FEATURES:

Used as covered grounding conductors, protected ground wires (PGW), cathodic protection (CP) cables, or on transformers as connection between line conductor and transformer primary bushing in applications where protection from momentary contact from wildlife is needed. Although not treated as an insulation, the thermoplastic polyethylene covering does provide an increased level of protection from momentary grounded contacts caused by wildlife, excessive wind and tree limbs or other grounded objects in the proximity of the high voltage lead. May be used on distribution system voltages up to 35kV line-to-line.

SPECIFICATIONS:

- ASTM B3 Soft or Annealed Copper Wire
- ASTM B8 Concentric-Lay-Stranded Copper Conductors
- ICEA S-70-547 Weather Resistant Polyethylene Covers Conductors

Table 1 – Weights and Measurements

Stock Number	Cond. Size AWG/Kcmil	Cond. Strands #	Diameter Over Conductor inch	Inner Layer Thickness mil	Approx. OD inch	Approx. Weight lb/1000ft
505461	500	37	0.789	120	1.029	1689

All dimensions are nominal and subject to normal manufacturing tolerances