



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

Black Cross Linked Polyethylene Covered. Solid or Stranded Soft Drawn Copper Conductor



Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Conductors are solid or stranded compressed copper
2. **Covering:** Black Cross Linked Polyethylene (XLPE)

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 XLPE 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	Cond. Strands	Diameter Over Conductor	Inner Layer Thickness	Approx. OD	Approx. Weight
	AWG/Kcmil	#	inch	mil	inch	lb/1000ft
TBA	8	1	0.129	110	0.349	83
TBA	8	7	0.142	110	0.362	87
496372	6	1	0.162	110	0.382	117
625281	6	7	0.178	110	0.398	123
139178	4	1	0.204	110	0.424	170
663619	4	7	0.225	110	0.445	177
TBA	2	1	0.258	110	0.478	252
440800	2	7	0.283	110	0.503	262

All dimensions are nominal and subject to normal manufacturing tolerances