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

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

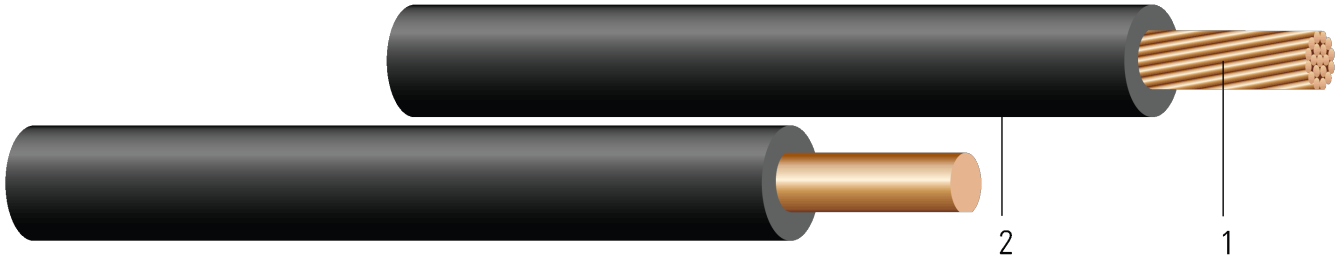


Image not to scale. See Table 1 for dimensions.

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

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Table 1 – Weights and Measurements

Stock Number	Cond. Size	Cond. Strands	Diameter Over Conductor	Inner Layer Thickness	Approx. OD	DC Resistance	Allowable Ampacity In Air 75°C†	Allowable Ampacity In Air 90°C†
	AWG/ Kcmil	#	inch	mil	inch	Ω/1000ft	Amp	Amp
TBA	8	7	0.142	45	0.232	0.653	70	80
TBA	8	SOLID	0.142	45	0.232	0.653	70	80
496372	6	SOLID	0.178	110	0.382	0.411	95	105
625281	6	7	0.178	110	0.398	0.411	95	105
139178	4	SOLID	0.225	110	0.424	0.258	125	140
663619	4	7	0.225	110	0.445	0.258	125	140
TBA	2	SOLID	0.283	45	0.373	0.162	170	190
440800	2	7	0.283	110	0.503	0.162	170	190

All dimensions are nominal and subject to normal manufacturing tolerances
TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.

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