



ConduWire Technical Specifications

Polymer Jacket Physical Properties

Property	Typical Value	Unit	Test Method
Hardness (Shore A)	94		ASTM D2240
Specific Gravity	1.26		ASTM D792-20
Tensile Strength	638	psi	ASTM D638 (20"/ min)
Elongation at Break	36	%	ASTM D638 (20"/ min)
Permeability	4.2×10^{-8}	$\text{g}/(\text{s} \cdot \text{m}^2 \cdot \text{Pa})$	ASTM E96 (Sheet)
Water Absorption	0.5	%	ASTM D570
Resistivity	< 20	$\Omega \cdot \text{cm}$	SAE Inc. Standard 114

Coated #2AWG STR Copper Wire Physical Properties

Property	Typical Value	Unit	Test Method
Concentricity	> 80	%	ASTM D3032, Section 16
Minimum Bend Radius	1	inches	ASTM D4565, Section 34

Additional specifications and application details available as required.
Values subject to change.

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