

metric **ECOWIRE**

EcoWire 600V metric hook-up wire.
Smaller. Lighter. 100% Recyclable.



SPECIFICATIONS

SIZE	0.25 - 2.50 mm ²
VOLTAGE RATING	600V
TEMPERATURE RANGE	-40°C to +105°C
CONDUCTORS	Stranded tinned copper
INSULATION	mPPE
PROPERTIES	Zero halogen
	100% recyclable
	Low outgassing
APPROVALS	UL AWM 11028
	UL VW-1 Flame Rating
	CSA AWM I A/B
	IEC 60332-1/60332-2 Flame Behavior
	CE
	RoHS
	REACH (EC 1907/2006)
AVAILABILITY	50 m (164 ft)
	100 m (328 ft)
	500 m (1640 ft)

ECOWIRE FAQ

What are the advantages of using metric EcoWire®?

In metric applications where size and weight matter, a 600V PVC wire may be overly large and occupy valuable space. Alpha Wire's 600V metric EcoWire® solves this problem with its more compact size and weight. Up to 45% smaller and 40% lighter, routing and installation is easier while meeting design requirements. No need to convert to the AWG closest match, get the precise wire size you need with metric EcoWire.

How does it compare to PVC?

- Up to 45% smaller and 40% lighter
- 25% to 40% lower specific gravity
- -40°C to 105°C temperature range
- 100% recyclable

What is mPPE?

mPPE is modified polyphenylene ether, a lighter and smaller thermoplastic than PVC. Due to its superior dielectric properties, mPPE has a much smaller wall thickness. Where weight or environmental concerns are an issue, mPPE provides an excellent choice for wire or cable requirements due to its size and 100% recyclability.

APPLICATIONS BY INDUSTRY

Medical Devices

CT/X-Ray/MRI Scanners
 Motorized Hospital Beds
 Wheelchairs
 EKG Devices
 Centrifuges
 Lasik Instruments

Semiconductors

Deposition Equipment
 Etching Equipment
 Wafer Handling Equipment
 Chip Testing
 Transfer Equipment
 Gas Delivery

Industrial Automation

Service Robots
 Manufacturing Robotics
 Motion Control
 High-Speed Vision Systems
 Encoder Applications
 HMI and I/O

SIZE COMPARISON | 1.5mm² 600V WIRE

