

## Specifications

### Materials

**Conductors** Stranded or solid tinned copper  
**Insulation** Noryl modified polyphenylene ether

### Electrical

**Voltage** 600 volts

### Physical and Mechanical

**Temperature Range** -40°C to +105°C

### Availability

100 ft (30.5 m) and 1000 ft (305 m) lengths

### Approvals

CSA AWM I A/B  
 UL AWM Style 11028  
 RoHS compliant  
 REACH compliant  
 VW-1 UL 1581

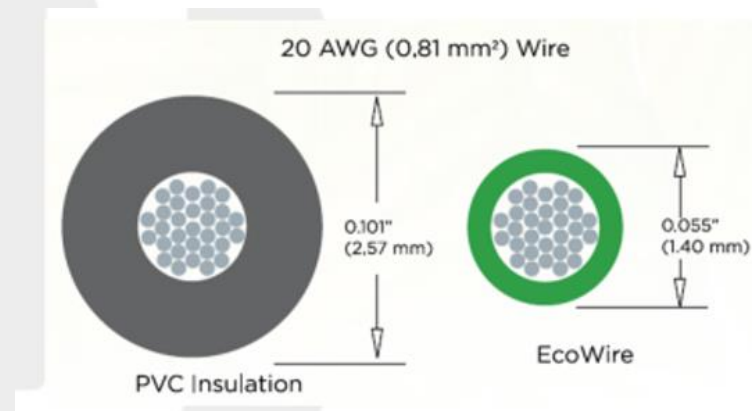
### Colors

White, Black, Red, Green, Yellow, Blue,  
 Brown, Orange, Slate, Violet, Yellow/Green

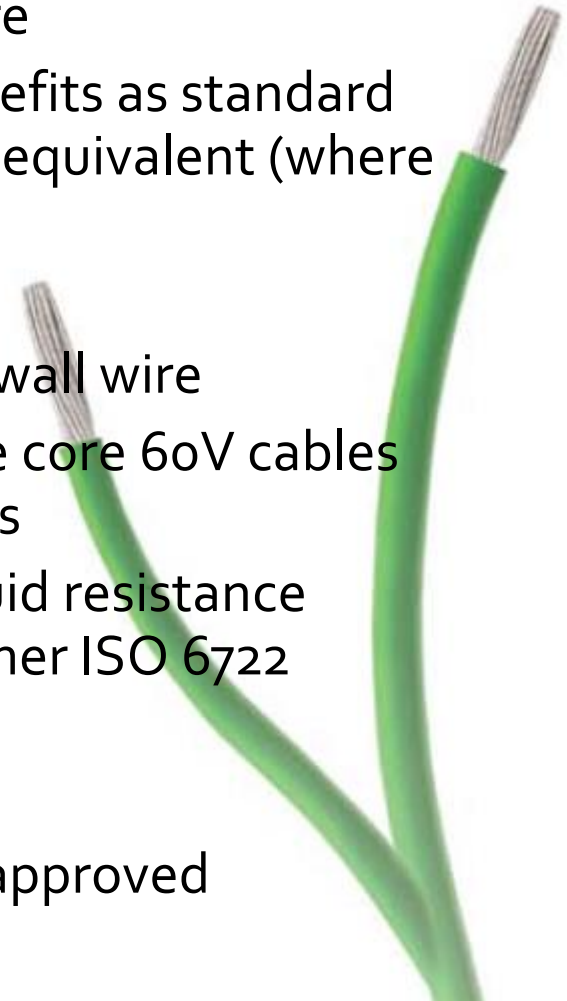


| Part No. | Conductor Size |                 | Stranding |            | Insulation Thickness |      | Wire Diameter |      |
|----------|----------------|-----------------|-----------|------------|----------------------|------|---------------|------|
|          | AWG            | mm <sup>2</sup> | AWG       | mm         | Inch                 | mm   | Inch          | mm   |
| 6710     | 28             | 0.07            | 7/36      | 7 x 0.12   | 0.010                | 0.24 | 0.034         | 0.86 |
| 6711     | 26             | 0.14            | 7/34      | 7 x 0.16   | 0.010                | 0.24 | 0.038         | 0.97 |
| 6712     | 24             | 0.22            | 7/32      | 7 x 0.20   | 0.010                | 0.24 | 0.043         | 1.09 |
| 6713     | 22             | 0.35            | 7/30      | 7 x 0.25   | 0.010                | 0.24 | 0.049         | 1.24 |
| 6714     | 20             | 0.51            | 10/30     | 10 x 0.25  | 0.010                | 0.24 | 0.055         | 1.40 |
| 6715     | 18             | 0.81            | 16/30     | 16 x 0.25  | 0.010                | 0.24 | 0.067         | 1.70 |
| 6715S    | 18             | 0.82            | Solid     | Solid      | 0.010                | 0.24 | 0.059         | 1.50 |
| 6716     | 16             | 1.32            | 26/30     | 26 x 0.25  | 0.011                | 0.28 | 0.081         | 2.06 |
| 6717     | 14             | 2.09            | 41/30     | 41 x 0.25  | 0.011                | 0.28 | 0.096         | 2.44 |
| 6717S    | 14             | 2.08            | Solid     | Solid      | 0.011                | 0.28 | 0.086         | 2.18 |
| 6718     | 12             | 3.31            | 65/30     | 65 x 0.25  | 0.012                | 0.30 | 0.117         | 2.97 |
| 6719     | 10             | 5.37            | 105/30    | 105 x 0.25 | 0.012                | 0.30 | 0.142         | 3.61 |

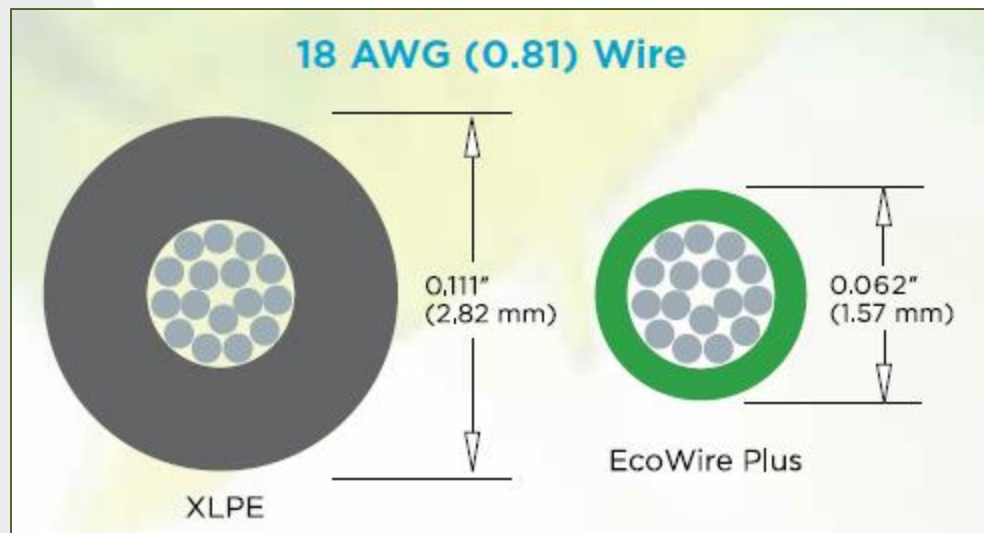
- Minimized environmental impact
  - EcoWire contains no halogens, phthalates, or heavy metals and meets RoHS and WEEE requirements
- Better Dielectric Strength
  - EcoWire has reduced wall thickness while maintaining the same electrical properties as PVC



- Designed for Industrial Applications
- **Resistant to hazardous fluids** per ISO 6722
- Substitute for PVC- and XLPE-insulated wire
- Same environmental and performance benefits as standard EcoWire22 AWG & larger printed w/ metric equivalent (where applicable)
- Offered in 100' & 1000' lengths
- Meets ISO 6722 for thin wall and ultra-thin wall wire
- ISO 6722 = International Standard for single core 60V cables intended for use in road vehicle applications
- EcoWire Plus meets the strict hazardous fluid resistance requirements of ISO 6722 (along with all other ISO 6722 requirements)
- Rated to 300V from -40° to +110° C
- CE LVD 73/23/EEC Amendment 93/68/EEC approved

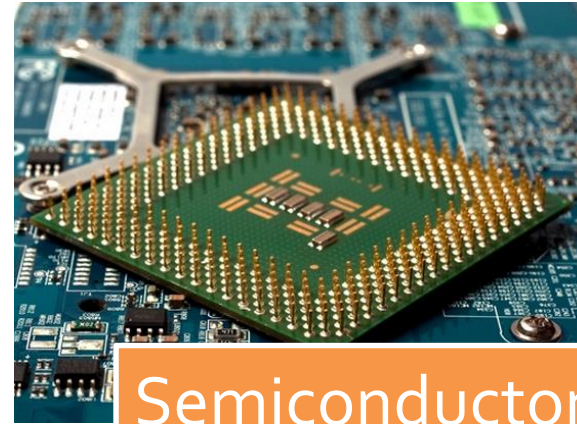


- **Minimized environmental impact**
  - EcoWire Plus is fully recyclable and contains no halogens, phthalates, or heavy metals and meets RoHS and WEEE requirements
- **Better dielectric strength**
  - Enables reduced wall thickness and up to 45% smaller OD while maintaining the same electrical properties as XLPE
- **More cost effective**
  - Alpha's popular 70XX series XLPE wire is more than double the price of EcoWire Plus





Medical



Semiconductor



OEMs