

EcoFlex® PUR

Reduced Diameter, Oil Resistant,
Halogen-Free Flex Cable



AlphaWire

Cables you trust. Service you deserve.



Get the abrasion, UV, and oil resistance of a tough halogen-free polyurethane jacket in a flex cable that's up to 40% smaller and 44% lighter than other 600 V flexible cables

Compared to other 600 V flex cables, our new EcoFlex PUR cables save you significant space while also offering increased durability. By combining space- and weight-saving mPPE insulation with a tough PUR jacket, EcoFlex PUR cables are not only up to 40% smaller and 44% lighter, they are also tough enough for demanding applications in industrial machinery, mining, and outdoor applications. The halogen-free PUR jacket offers exceptional abrasion resistance, resists oils and UV radiation, and still remains flexible at low temperatures.

- Up to 40% smaller and 44% lighter
- 8 million flex cycles (and still counting)
- -40°C to +90°C temperature range
- Flexible at low temperatures
- Unshielded or braid shielding
- Sizes from 28 to 10 AWG
- Meets UL Oil Res 1
- Halogen free
- Lead free
- Antimony free
- RoHS compliant
- REACH compliant

Alpha Wire

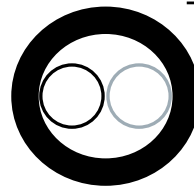
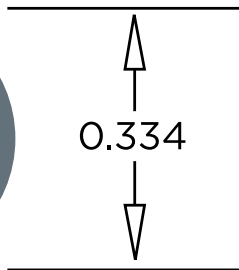
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EcoFlex PUR Cable

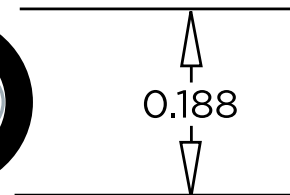
20 AWG 2 Conductor Cable



Traditional PUR Cable



EcoFlex® PUR



Specifications

- 28 to 10 AWG
- 2 to 42 conductors
- Unshielded or braid shielding

Operating Temperature

- -40°C to +90°C

Materials

- Conductors: Finely stranded bare copper
- Insulation: mPPE
- Shielding: Bare copper braid, 60%-90% coverage
- Jacket: PUR, zero halogen, black or slate

Bend Radius

- Static: 4x
- Dynamic: 6x

Conductor Color Coding

- Black, numbered
- One green/yellow conductor

Chemical Properties

- Lead free
- Halogen free
- Antimony free

Electrical Properties

- 600 V (UL)

Approvals

- UL AWM 21959 (90°C / 600 V_{RMS})
- UL Oil Res 1
- UL Sunlight Resistant
- CSA AWM I/II A/B FT2
- EN60332-1 Flame Behavior
- EN60332-2 Flame Behavior
- EN60754-2 Acid Gas Generation
- EU Low Voltage Directive 2006/95/EC

Availability

- 1000'
- Made to order



Alpha Wire's next generation of eco-friendly, high-performance wire and cable, designed to provide better performance in a smaller package.

- EcoCable®
- EcoFlex® Cable
- EcoCable® Mini
- EcoWire®
- EcoWire® Plus
- EcoFlex® PUR

Learn more about the new EcoGen family of products at
www.alphawire.com/EcoGen

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