

# EcoCable® and EcoFlex™ Cable

Smaller. Lighter. Tougher. 100% Recyclable.





## Total Performance, Completely Recyclable



EcoCable and EcoFlex cable are Alpha Wire's newest innovations in control cabling. A true engineering breakthrough, EcoCable and EcoFlex cable combine better performance with a minimum environmental impact. Each derives its advantages from modified polyphenylene ether (mPPE) jacketing and insulation. EcoCable is:

- 100% Recyclable
- Up to 47% smaller
- Up to 65% lighter
- Capable of handling temperatures extremes to -50°C
- Up to 87% lower outgassing

# mPPE Insulation: All the Advantages in Smaller, Lighter Control Cable



## Environmentally Friendly

EcoCable and EcoFlex cables contain no halogens, phthalates, or heavy metals. The mPPE thermoplastic insulation and jacketing can be easily recycled. They meet RoHS and WEEE requirements for the elimination of hazardous substances and recyclability.

## Low Specific Gravity

The 1.03 specific gravity of mPPE is 25% to 40% lower than other insulation materials, such as PVC, polyethylene, and cross-linked polyethylene. Along with the reduced wall thickness, the low specific gravity yields significant weight savings of up to 65% with EcoCable.

## Better Dielectric Strength

The superior dielectric properties of mPPE make a reduced wall thickness possible, while maintaining the same electrical properties as a thicker PVC control cable.

## More Choice in EMI Protection

Alpha Wire offers EcoCable and EcoFlex cable in three shielding options to handle any electrical environment.

- Unshielded
- Foil Shielded
- SupraShield® Foil + Braid Shield

## Superior Availability

EcoCable and EcoFlex cable are available from stock in most sizes and constructions, with put-ups as small as 100 feet. Alpha Wire provides same-day shipment and next-day delivery to practically anywhere in the world.

Visit [www.alphawire.com/EcoGen](http://www.alphawire.com/EcoGen) to request free samples

| Properties        | EcoCable          | EcoFlex Cable                                |
|-------------------|-------------------|----------------------------------------------|
| Diameter          | Up to 47% smaller | Up to 32% smaller                            |
| Weight            | 65% lighter       | 55% lighter                                  |
| Temperature Range | -50°C to 105°C    | -40°C to 105°C static, -5°C to 105°C Flexing |
| Outgassing        | 87% lower         | 91% lower                                    |
| Recyclability     | 100%              | 100%                                         |
| Availability      | 100', 1000', Bulk | 100', 1000', Bulk                            |



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
- EcoWire®
- EcoWire® Plus

Learn more about the new EcoGen family of products at [www.alphawire.com/EcoGen](http://www.alphawire.com/EcoGen)



# EcoCable Specifications

Request free samples  
at [www.alphawire.com/  
EcoCable](http://www.alphawire.com/EcoCable)

## Materials

### Conductors:

Stranded tin-plated copper

**Insulation:** mPPE

**Jacket:** mPPE, slate

## Electrical

**Voltage:** 600 V

## Bend Radius

6x

## Physical and Mechanical

**Temperature Range:**

-50°C to 105°C

## Availability

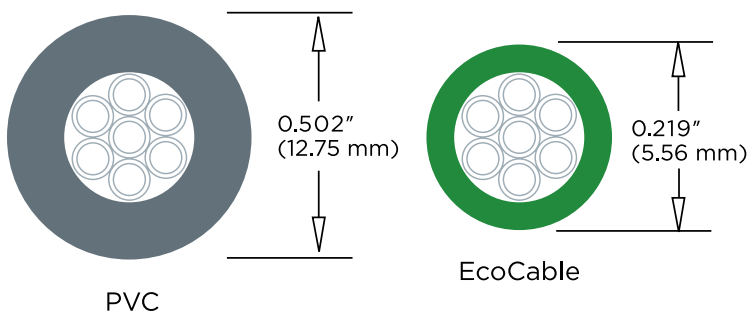
100 ft (30.5 m) and  
1000 ft (305 m) lengths  
Bulk

## Approvals

- UL AWM 21915 (600V, 105°C)
- CSA AWM I/II A/B FT2
- CE
- RoHS/RoHS2 Compliant
- REACH Compliant
- WEEE
- Suitable for use in  
NFPA 79 applications



### 22 AWG (0.35 mm²) Cable



| Conductor No |            |            |            |
|--------------|------------|------------|------------|
| No.          | Base Color | 1st Stripe | 2nd Stripe |
| 1            | Black      |            |            |
| 2            | Brown      |            |            |
| 3            | Red        |            |            |
| 4            | Orange     |            |            |
| 5            | Yellow     |            |            |
| 6            | Green      |            |            |
| 7            | Blue       |            |            |
| 8            | Violet     |            |            |
| 9            | Slate      |            |            |
| 10           | White      |            |            |
| 11           | White      | Black      |            |
| 12           | White      | Brown      |            |
| 13           | White      | Red        |            |
| 14           | White      | Orange     |            |
| 15           | White      | Yellow     |            |
| 16           | White      | Green      |            |
| 17           | White      | Blue       |            |
| 18           | White      | Violet     |            |
| 19           | White      | Slate      |            |
| 20           | White      | Black      | Brown      |
| 21           | White      | Black      | Red        |
| 22           | White      | Black      | Orange     |
| 23           | White      | Black      | Yellow     |
| 24           | White      | Black      | Green      |
| 25           | White      | Black      | Blue       |

# EcoCable

## Unshielded

### 28 AWG (0.89 mm<sup>2</sup>)

Stranding: 7/36 (0.127 mm)  
Insulation thickness: 0.010 (0.25 mm)  
Jacket thickness: 0.032 (0.81 mm)

| Part Number  | Conductors | Nominal Diameter |      |
|--------------|------------|------------------|------|
|              |            | Inch             | mm   |
| <b>77052</b> | 2          | 0.138            | 3.51 |
| <b>77053</b> | 3          | 0.144            | 3.66 |
| <b>77054</b> | 4          | 0.153            | 3.89 |
| <b>77055</b> | 6          | 0.174            | 4.42 |

### 26 AWG (0.14 mm<sup>2</sup>)

Stranding: 7/34 (0.16 mm)  
Insulation thickness: 0.010 (0.25 mm)  
Jacket thickness: 0.032 (0.81 mm)

| Part Number  | Conductors | Nominal Diameter |      |
|--------------|------------|------------------|------|
|              |            | Inch             | mm   |
| <b>77047</b> | 2          | 0.146            | 3.71 |
| <b>77048</b> | 3          | 0.152            | 3.86 |
| <b>77049</b> | 4          | 0.162            | 4.11 |
| <b>77050</b> | 6          | 0.186            | 4.72 |
| <b>77051</b> | 8          | 0.198            | 5.03 |

### 24 AWG (0.28 mm<sup>2</sup>)

Stranding: 7/32 (7 x 0.20 mm)  
Insulation thickness: 0.010 (0.25 mm)  
Jacket thickness: 0.032 (0.81 mm)

| Part Number  | Conductors | Nominal Diameter |      |
|--------------|------------|------------------|------|
|              |            | Inch             | mm   |
| <b>77001</b> | 2          | 0.156            | 3.96 |
| <b>77002</b> | 4          | 0.175            | 4.44 |
| <b>77003</b> | 5          | 0.188            | 4.78 |
| <b>77004</b> | 7          | 0.201            | 5.11 |
| <b>77005</b> | 9          | 0.229            | 5.82 |
| <b>77006</b> | 19         | 0.288            | 7.32 |

### 22 AWG (0.35 mm<sup>2</sup>)

Stranding: 7/30 (7 x 0.25 mm)  
Insulation thickness: 0.010 (0.25 mm)  
Jacket thickness: 0.032 (0.81 mm)

| Part Number  | Conductors | Nominal Diameter |      |
|--------------|------------|------------------|------|
|              |            | Inch             | mm   |
| <b>77007</b> | 2          | 0.168            | 4.27 |
| <b>77008</b> | 4          | 0.189            | 4.80 |
| <b>77009</b> | 5          | 0.204            | 5.18 |
| <b>77010</b> | 7          | 0.219            | 5.56 |
| <b>77011</b> | 9          | 0.251            | 6.38 |
| <b>77012</b> | 19         | 0.318            | 8.08 |

### 20 AWG (0.56 mm<sup>2</sup>)

Stranding: 7/28 (7 x 0.32 mm)  
Insulation thickness: 0.010 (0.25 mm)  
Jacket thickness: 0.032 (0.81 mm)

| Part Number  | Conductors | Nominal Diameter |       |
|--------------|------------|------------------|-------|
|              |            | Inch             | mm    |
| <b>77013</b> | 3          | 0.193            | 4.90  |
| <b>77014</b> | 4          | 0.209            | 5.31  |
| <b>77015</b> | 9          | 0.280            | 7.11  |
| <b>77016</b> | 12         | 0.309            | 7.85  |
| <b>77017</b> | 15         | 0.336            | 8.53  |
| <b>77018</b> | 19         | 0.358            | 9.09  |
| <b>77019</b> | 25         | 0.416            | 10.57 |

### 18 AWG (0.81 mm<sup>2</sup>)

Stranding: 16/30 (16 x 0.25 mm)  
Insulation thickness: 0.012 (0.30 mm)  
Jacket thickness: 0.032 (0.81 mm)

| Part Number  | Conductors | Nominal Diameter |       |
|--------------|------------|------------------|-------|
|              |            | Inch             | mm    |
| <b>77020</b> | 2          | 0.206            | 5.23  |
| <b>77021</b> | 3          | 0.217            | 5.51  |
| <b>77022</b> | 4          | 0.235            | 5.97  |
| <b>77023</b> | 5          | 0.255            | 6.48  |
| <b>77024</b> | 7          | 0.276            | 7.01  |
| <b>77025</b> | 9          | 0.320            | 8.13  |
| <b>77026</b> | 12         | 0.355            | 9.02  |
| <b>77027</b> | 15         | 0.387            | 9.83  |
| <b>77028</b> | 19         | 0.414            | 10.52 |
| <b>77029</b> | 25         | 0.482            | 12.24 |

# EcoCable Foil Shield

## 16 AWG (1.32 mm<sup>2</sup>)

Stranding: 19/0.0117 (19 x 0.297 mm)  
Insulation thickness: 0.012 (0.30 mm)  
Jacket thickness: 0.032 (0.81 mm)

| Part Number | Conductors | Nominal Diameter |       |
|-------------|------------|------------------|-------|
|             |            | Inch             | mm    |
| 77030       | 4          | 0.269            | 6.83  |
| 77031       | 5          | 0.293            | 7.44  |
| 77032       | 7          | 0.319            | 8.10  |
| 77033       | 9          | 0.371            | 9.42  |
| 77034       | 12         | 0.413            | 10.49 |
| 77035       | 15         | 0.451            | 11.46 |
| 77036       | 19         | 0.484            | 12.29 |
| 77037       | 25         | 0.566            | 14.38 |

## 14 AWG (2.08 mm<sup>2</sup>)

Stranding: 41/30 (41 x 0.25 mm)  
Insulation thickness: 0.013 (0.33 mm)  
Jacket thickness: 0.032 (0.81 mm)

| Part Number | Conductors | Nominal Diameter |       |
|-------------|------------|------------------|-------|
|             |            | Inch             | mm    |
| 77038       | 2          | 0.260            | 6.60  |
| 77039       | 3          | 0.275            | 6.98  |
| 77040       | 4          | 0.301            | 7.65  |
| 77041       | 5          | 0.329            | 8.36  |
| 77042       | 7          | 0.358            | 9.09  |
| 77043       | 9          | 0.419            | 10.64 |
| 77044       | 12         | 0.467            | 11.86 |
| 77045       | 15         | 0.511            | 12.98 |
| 77046       | 25         | 0.644            | 16.36 |

## 28 AWG (0.89 mm<sup>2</sup>)

Stranding: 7/36 (0.13 mm)  
Insulation thickness: 0.010 (0.25 mm)  
Jacket thickness: 0.032 (0.81 mm)

| Part Number | Conductors | Nominal Diameter |      |
|-------------|------------|------------------|------|
|             |            | Inch             | mm   |
| 77152       | 2          | 0.142            | 3.61 |
| 77153       | 3          | 0.148            | 3.76 |
| 77154       | 4          | 0.157            | 3.99 |
| 77155       | 6          | 0.178            | 4.52 |

## 26 AWG (0.14 mm<sup>2</sup>)

Stranding: 7/34 (0.16 mm)  
Insulation thickness: 0.010 (0.25 mm)  
Jacket thickness: 0.032 (0.81 mm)

| Part Number | Conductors | Nominal Diameter |      |
|-------------|------------|------------------|------|
|             |            | Inch             | mm   |
| 77147       | 2          | 0.15             | 3.81 |
| 77148       | 3          | 0.156            | 3.96 |
| 77149       | 4          | 0.166            | 4.22 |
| 77150       | 6          | 0.19             | 4.83 |
| 77151       | 8          | 0.202            | 5.13 |

## 24 AWG (0.28 mm<sup>2</sup>)

Stranding: 7/32 (7 x 0.20 mm)  
Insulation thickness: 0.010 (0.25 mm)  
Jacket thickness: 0.032 (0.81 mm)

| Part Number | Conductors | Nominal Diameter |      |
|-------------|------------|------------------|------|
|             |            | Inch             | mm   |
| 77102       | 2          | 0.16             | 4.06 |
| 77103       | 3          | 0.167            | 4.24 |
| 77104       | 4          | 0.179            | 4.55 |
| 77105       | 5          | 0.192            | 4.88 |
| 77106       | 7          | 0.205            | 5.21 |
| 77107       | 9          | 0.233            | 5.92 |
| 77101       | 12         | 0.255            | 6.48 |

## 22 AWG (0.35 mm<sup>2</sup>)

Stranding: 7/30 (7 x 0.25 mm)  
Insulation thickness: 0.010 (0.25 mm)  
Jacket thickness: 0.032 (0.81 mm)

| Part Number | Conductors | Nominal Diameter |      |
|-------------|------------|------------------|------|
|             |            | Inch             | mm   |
| 77109       | 2          | 0.172            | 4.37 |
| 77110       | 3          | 0.180            | 4.57 |
| 77111       | 4          | 0.193            | 4.90 |
| 77112       | 5          | 0.208            | 5.28 |
| 77113       | 7          | 0.223            | 5.66 |
| 77114       | 9          | 0.255            | 6.48 |
| 77108       | 12         | 0.280            | 7.11 |

# EcoCable

## Foil Shield (continued)

### 20 AWG (0.56 mm<sup>2</sup>)

Stranding: 7/28 (7 x 0.32 mm)  
Insulation thickness: 0.010 (0.25 mm)  
Jacket thickness: 0.032 (0.81 mm)

| Part Number | Conductors | Nominal Diameter |      |
|-------------|------------|------------------|------|
|             |            | Inch             | mm   |
| 77116       | 3          | 0.197            | 5.00 |
| 77117       | 4          | 0.213            | 5.41 |
| 77118       | 5          | 0.230            | 5.84 |
| 77119       | 7          | 0.247            | 6.27 |
| 77120       | 9          | 0.284            | 7.21 |
| 77115       | 12         | 0.313            | 7.95 |

### 18 AWG (0.81 mm<sup>2</sup>)

Stranding: 16/30 (16 x 0.25 mm)  
Insulation thickness: 0.012 (0.30 mm)  
Jacket thickness: 0.032 (0.81 mm)

| Part Number | Conductors | Nominal Diameter |       |
|-------------|------------|------------------|-------|
|             |            | Inch             | mm    |
| 77124       | 2          | 0.210            | 5.33  |
| 77126       | 3          | 0.221            | 5.61  |
| 77127       | 4          | 0.239            | 6.07  |
| 77128       | 5          | 0.259            | 6.58  |
| 77129       | 7          | 0.281            | 7.14  |
| 77130       | 9          | 0.324            | 8.23  |
| 77121       | 12         | 0.359            | 9.12  |
| 77122       | 15         | 0.391            | 9.93  |
| 77123       | 19         | 0.418            | 10.62 |
| 77125       | 25         | 0.486            | 12.34 |

### 16 AWG (1.32 mm<sup>2</sup>)

Stranding: 19/0.0117 (19 x 0.297 mm)  
Insulation thickness: 0.012 (0.30 mm)  
Jacket thickness: 0.032 (0.81 mm)

| Part Number | Conductors | Nominal Diameter |       |
|-------------|------------|------------------|-------|
|             |            | Inch             | mm    |
| 77133       | 2          | 0.238            | 6.05  |
| 77134       | 3          | 0.251            | 6.38  |
| 77135       | 4          | 0.273            | 6.93  |
| 77136       | 5          | 0.297            | 7.54  |
| 77137       | 7          | 0.323            | 8.20  |
| 77138       | 9          | 0.375            | 9.52  |
| 77131       | 12         | 0.417            | 10.59 |
| 77132       | 15         | 0.455            | 11.56 |

### 14 AWG (2.08 mm<sup>2</sup>)

Stranding: 41/30 (41 x 0.25 mm)  
Insulation thickness: 0.013 (0.33 mm)  
Jacket thickness: 0.032 (0.81 mm)

| Part Number | Conductors | Nominal Diameter |       |
|-------------|------------|------------------|-------|
|             |            | Inch             | mm    |
| 77141       | 2          | 0.264            | 6.71  |
| 77142       | 3          | 0.279            | 7.09  |
| 77143       | 4          | 0.305            | 7.75  |
| 77144       | 5          | 0.333            | 8.46  |
| 77145       | 7          | 0.362            | 9.19  |
| 77146       | 9          | 0.423            | 10.74 |
| 77139       | 12         | 0.471            | 11.96 |
| 77140       | 15         | 0.515            | 13.08 |

# EcoCable

## Supra-Shield® Foil + Braid

### 28 AWG (0.89 mm²)

Stranding: 7/36 (0.13 mm)  
Insulation thickness: 0.010 (0.25 mm)  
Jacket thickness: 0.032 (0.81 mm)

| Part Number | Conductors | Nominal Diameter |      |
|-------------|------------|------------------|------|
|             |            | Inch             | mm   |
| 77252       | 2          | 0.166            | 4.22 |
| 77253       | 3          | 0.172            | 4.37 |
| 77254       | 4          | 0.181            | 4.60 |
| 77255       | 6          | 0.202            | 5.13 |

### 26 AWG (0.14 mm²)

Stranding: 7/34 (0.16 mm)  
Insulation thickness: 0.010 (0.25 mm)  
Jacket thickness: 0.032 (0.81 mm)

| Part Number | Conductors | Nominal Diameter |      |
|-------------|------------|------------------|------|
|             |            | Inch             | mm   |
| 77247       | 2          | 0.174            | 4.42 |
| 77248       | 3          | 0.18             | 4.57 |
| 77249       | 4          | 0.19             | 4.83 |
| 77250       | 6          | 0.214            | 5.44 |
| 77251       | 8          | 0.226            | 5.74 |

### 24 AWG (0.28 mm²)

Stranding: 7/32 (7 x 0.20 mm)  
Insulation thickness: 0.010 (0.25 mm)  
Jacket thickness: 0.032 (0.81 mm)

| Part Number | Conductors | Nominal Diameter |      |
|-------------|------------|------------------|------|
|             |            | Inch             | mm   |
| 77201       | 4          | 0.203            | 5.16 |
| 77202       | 7          | 0.229            | 5.82 |
| 77203       | 12         | 0.279            | 7.09 |

### 22 AWG (0.35 mm²)

Stranding: 7/30 (7 x 0.25 mm)  
Insulation thickness: 0.010 (0.25 mm)  
Jacket thickness: 0.032 (0.81 mm)

| Part Number | Conductors | Nominal Diameter |      |
|-------------|------------|------------------|------|
|             |            | Inch             | mm   |
| 77204       | 4          | 0.217            | 5.51 |
| 77205       | 7          | 0.247            | 6.27 |
| 77206       | 12         | 0.304            | 7.72 |

### 20 AWG (0.56 mm²)

Stranding: 7/28 (7 x 0.32 mm)  
Insulation thickness: 0.010 (0.25 mm)  
Jacket thickness: 0.032 (0.81 mm)

| Part Number | Conductors | Nominal Diameter |      |
|-------------|------------|------------------|------|
|             |            | Inch             | mm   |
| 77207       | 4          | 0.237            | 6.02 |
| 77208       | 5          | 0.254            | 6.45 |
| 77209       | 7          | 0.271            | 6.88 |
| 77210       | 9          | 0.308            | 7.82 |
| 77211       | 12         | 0.337            | 8.56 |
| 77212       | 19         | 0.386            | 9.80 |

### 18 AWG (0.81 mm²)

Stranding: 16/30 (16 x 0.25 mm)  
Insulation thickness: 0.012 (0.30 mm)  
Jacket thickness: 0.032 (0.81 mm)

| Part Number | Conductors | Nominal Diameter |       |
|-------------|------------|------------------|-------|
|             |            | Inch             | mm    |
| 77213       | 2          | 0.234            | 5.94  |
| 77214       | 3          | 0.245            | 6.22  |
| 77215       | 4          | 0.263            | 6.68  |
| 77216       | 5          | 0.283            | 7.19  |
| 77217       | 7          | 0.305            | 7.75  |
| 77218       | 9          | 0.348            | 8.84  |
| 77219       | 12         | 0.383            | 9.73  |
| 77220       | 15         | 0.414            | 10.52 |
| 77221       | 19         | 0.442            | 11.23 |

### 16 AWG (1.32 mm²)

Stranding: 19/ 0.0117 (19 x 0.297 mm)  
Insulation thickness: 0.012 (0.30 mm)  
Jacket thickness: 0.032 (0.81 mm)

| Part Number | Conductors | Nominal Diameter |       |
|-------------|------------|------------------|-------|
|             |            | Inch             | mm    |
| 77222       | 2          | 0.262            | 6.65  |
| 77223       | 3          | 0.275            | 6.98  |
| 77224       | 4          | 0.297            | 7.54  |
| 77225       | 5          | 0.321            | 8.15  |
| 77226       | 7          | 0.347            | 8.81  |
| 77227       | 9          | 0.399            | 10.13 |
| 77228       | 12         | 0.441            | 11.20 |
| 77229       | 15         | 0.479            | 12.17 |
| 77230       | 19         | 0.512            | 13.00 |

### 14 AWG (2.08 mm²)

Stranding: 41/30 (41 x 0.25 mm)  
Insulation thickness: 0.013 (0.33 mm)  
Jacket thickness: 0.032 (0.81 mm)

| Part Number | Conductors | Nominal Diameter |       |
|-------------|------------|------------------|-------|
|             |            | Inch             | mm    |
| 77231       | 2          | 0.288            | 7.32  |
| 77232       | 3          | 0.303            | 7.70  |
| 77233       | 4          | 0.329            | 8.36  |
| 77234       | 7          | 0.386            | 9.80  |
| 77235       | 9          | 0.447            | 11.35 |
| 77236       | 12         | 0.495            | 12.57 |
| 77237       | 15         | 0.539            | 13.69 |
| 77238       | 25         | 0.678            | 17.22 |

# EcoFlex Cable Specifications

Request free samples  
at [www.alphawire.com/EcoFlex](http://www.alphawire.com/EcoFlex)



## Materials

### Conductors:

Stranded tin-plated copper

**Insulation:** mPPE

**Jacket:** mPPE, slate

## Electrical

**Voltage:** 600 V

## Bend Radius

**Unshielded:** 5x Static, 5x Flexing

**Shielded:** 6x Static, 8x Flexing

## Physical and Mechanical

**Temperature Range:**

-40°C to 105°C

## Availability

100 ft (30.5 m) and

1000 ft (305 m) lengths

Bulk

## Key Features

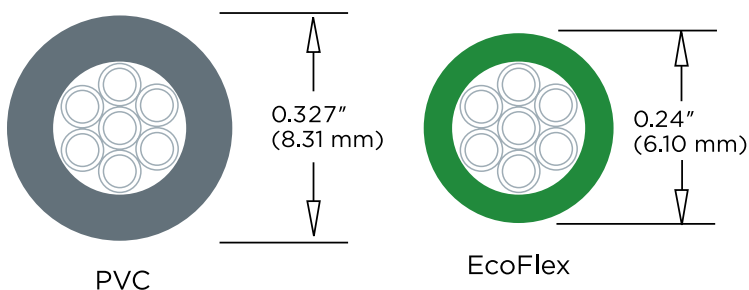
- Compact cable for moderate flex applications
- Rated for more than 1 million flex cycles
- Easier routing and handling

## Approvals

- UL AWM 21819 (600 V, 105°C)
- UL AWM 21492 (300 V, 80°C)
- CE
- UL VW-1
- RoHS Compliant
- CSA AWM I/II A/B FT1
- REACH Compliant
- WEEE
- Suitable for use in NFPA79 Applications
- IEC 60332-2 Flame Behavior



## 20 AWG (0.51 mm²) Cable



| Conductor No |            |            |            |
|--------------|------------|------------|------------|
| No.          | Base Color | 1st Stripe | 2nd Stripe |
| 1            | Black      |            |            |
| 2            | Red        |            |            |
| 3            | White      |            |            |
| 4            | Green      |            |            |
| 5            | Orange     |            |            |
| 6            | Blue       |            |            |
| 7            | Brown      |            |            |
| 8            | Yellow     |            |            |
| 9            | Violet     |            |            |
| 10           | Slate      |            |            |
| 11           | Pink       |            |            |
| 12           | Tan        |            |            |
| 13           | Red        | Green      |            |
| 14           | Red        | Yellow     |            |
| 15           | Red        | Black      |            |
| 16           | White      | Black      |            |
| 17           | White      | Red        |            |
| 18           | White      | Green      |            |
| 19           | White      | Yellow     |            |
| 20           | White      | Blue       |            |
| 21           | White      | Brown      |            |
| 22           | White      | Orange     |            |
| 23           | White      | Slate      |            |
| 24           | White      | Violet     |            |
| 25           | White      | Black      | Red        |

# EcoFlex Cable

## Unshielded

### 28 AWG (0.09 mm<sup>2</sup>)

Stranding: 7/36 (7 x 0.13 mm)  
Insulation thickness: 0.010 (0.25 mm)  
Jacket thickness: 0.035 (0.89 mm)

| Part Number  | Conductors | Nominal Diameter |      |
|--------------|------------|------------------|------|
|              |            | Inch             | mm   |
| <b>79061</b> | 2          | 0.142            | 3.61 |
| <b>79062</b> | 3          | 0.147            | 3.73 |

### 26 AWG (0.14 mm<sup>2</sup>)

Stranding: 7/34 (7 x 0.16 mm)  
Insulation thickness: 0.010 (0.25 mm)  
Jacket thickness: 0.035 (0.89 mm)

| Part Number  | Conductors | Nominal Diameter |      |
|--------------|------------|------------------|------|
|              |            | Inch             | mm   |
| <b>79056</b> | 2          | 0.150            | 3.81 |
| <b>79057</b> | 3          | 0.156            | 3.96 |
| <b>79058</b> | 4          | 0.166            | 4.22 |
| <b>79059</b> | 6          | 0.189            | 4.80 |
| <b>79060</b> | 8          | 0.216            | 5.49 |

### 24 AWG (0.24 mm<sup>2</sup>)

Stranding: 19/36 (19 x 0.13 mm)  
Insulation thickness: 0.010 (0.25 mm)  
Jacket thickness: 0.035 (0.89 mm)

| Part Number  | Conductors | Nominal Diameter |      |
|--------------|------------|------------------|------|
|              |            | Inch             | mm   |
| <b>79050</b> | 2          | 0.162            | 4.11 |
| <b>79051</b> | 3          | 0.169            | 4.29 |
| <b>79052</b> | 4          | 0.181            | 4.60 |
| <b>79053</b> | 6          | 0.207            | 5.26 |
| <b>79054</b> | 8          | 0.238            | 6.05 |
| <b>79055</b> | 10         | 0.257            | 6.53 |

### 22 AWG (0.38 mm<sup>2</sup>)

Stranding: 19/34 (19 x 0.16 mm)  
Insulation thickness: 0.010 (0.25 mm)  
Jacket thickness: 0.035 (0.89 mm)

| Part Number  | Conductors | Nominal Diameter |      |
|--------------|------------|------------------|------|
|              |            | Inch             | mm   |
| <b>79044</b> | 2          | 0.176            | 4.47 |
| <b>79045</b> | 3          | 0.184            | 4.67 |
| <b>79046</b> | 4          | 0.198            | 5.03 |
| <b>79047</b> | 6          | 0.228            | 5.79 |
| <b>79048</b> | 8          | 0.264            | 6.71 |
| <b>79049</b> | 10         | 0.286            | 7.26 |

### 20 AWG (0.51 mm<sup>2</sup>)

Stranding: 10/30 (10 x 0.25 mm)  
Insulation thickness: 0.010 (0.25 mm)  
Jacket thickness: 0.035 (0.89 mm)

| Part Number  | Conductors | Nominal Diameter |      |
|--------------|------------|------------------|------|
|              |            | Inch             | mm   |
| <b>79001</b> | 2          | 0.184            | 4.67 |
| <b>79002</b> | 3          | 0.193            | 4.90 |
| <b>79003</b> | 4          | 0.207            | 5.26 |
| <b>79004</b> | 5          | 0.224            | 5.69 |
| <b>79005</b> | 7          | 0.240            | 6.10 |
| <b>79006</b> | 9          | 0.296            | 7.52 |
| <b>79007</b> | 12         | 0.303            | 7.70 |
| <b>79008</b> | 18         | 0.349            | 8.86 |

# EcoFlex Cable

## Unshielded

### 18 AWG (0.81 mm<sup>2</sup>)

Stranding: 16/30 (16 x 0.25 mm)  
Insulation thickness: 0.010 (0.25 mm)  
Jacket thickness: 0.035 (0.89 mm)

| Part Number | Conductors | Nominal Diameter |       |
|-------------|------------|------------------|-------|
|             |            | Inch             | mm    |
| 79010       | 2          | 0.208            | 5.28  |
| 79011       | 3          | 0.219            | 5.56  |
| 79012       | 4          | 0.236            | 5.99  |
| 79013       | 5          | 0.256            | 6.50  |
| 79014       | 7          | 0.277            | 7.04  |
| 79015       | 9          | 0.344            | 8.74  |
| 79016       | 12         | 0.353            | 8.97  |
| 79017       | 18         | 0.411            | 10.44 |

### 16 AWG (1.32 mm<sup>2</sup>)

Stranding: 26/30 (26 x 0.25 mm)  
Insulation thickness: 0.011 (0.28 mm)  
Jacket thickness: 0.035 (0.89 mm)

| Part Number | Conductors | Nominal Diameter |       |
|-------------|------------|------------------|-------|
|             |            | Inch             | mm    |
| 79019       | 2          | 0.236            | 5.99  |
| 79020       | 3          | 0.249            | 6.32  |
| 79021       | 4          | 0.270            | 6.86  |
| 79022       | 5          | 0.294            | 7.47  |
| 79023       | 7          | 0.319            | 8.10  |
| 79024       | 9          | 0.400            | 10.16 |
| 79025       | 12         | 0.411            | 10.44 |
| 79026       | 18         | 0.481            | 12.22 |

### 14 AWG (2.08 mm<sup>2</sup>)

Stranding: 41/30 (41 x 0.25 mm)  
Insulation thickness: 0.011 (0.28 mm)  
Jacket thickness: 0.035 (0.81 mm)

| Part Number | Conductors | Nominal Diameter |       |
|-------------|------------|------------------|-------|
|             |            | Inch             | mm    |
| 79028       | 2          | 0.266            | 6.76  |
| 79029       | 3          | 0.281            | 7.14  |
| 79030       | 4          | 0.307            | 7.80  |
| 79031       | 5          | 0.335            | 8.51  |
| 79032       | 7          | 0.364            | 9.25  |
| 79033       | 9          | 0.459            | 11.66 |
| 79034       | 12         | 0.473            | 12.01 |
| 79035       | 18         | 0.556            | 14.12 |

### 12 AWG (3.29 mm<sup>2</sup>)

Stranding: 65/30 (65 x 0.25 mm)  
Insulation thickness: 0.012 (0.30 mm)  
Jacket thickness: 0.035 (0.81 mm)

| Part Number | Conductors | Nominal Diameter |       |
|-------------|------------|------------------|-------|
|             |            | Inch             | mm    |
| 79037       | 3          | 0.326            | 8.28  |
| 79038       | 4          | 0.358            | 9.09  |
| 79039       | 5          | 0.392            | 9.96  |
| 79040       | 7          | 0.428            | 10.87 |

### 10 AWG (5.32 mm<sup>2</sup>)

Stranding: 105/30 (105 x 0.25 mm)  
Insulation thickness: 0.012 (0.30 mm)  
Jacket thickness: 0.035 (0.81 mm)

| Part Number | Conductors | Nominal Diameter |       |
|-------------|------------|------------------|-------|
|             |            | Inch             | mm    |
| 79041       | 3          | 0.38             | 9.65  |
| 79042       | 4          | 0.423            | 10.74 |
| 79043       | 5          | 0.465            | 11.81 |

# EcoFlex Cable

## Braid Shield

### 20 AWG (0.51 mm<sup>2</sup>)

Stranding: 10/30 (10 x 0.25 mm)  
Insulation thickness: 0.010 (0.25 mm)  
Jacket thickness: 0.035 (0.89 mm)

| Part Number | Conductors | Nominal Diameter |      |
|-------------|------------|------------------|------|
|             |            | Inch             | mm   |
| 79101       | 2          | 0.210            | 5.33 |
| 79102       | 3          | 0.219            | 5.56 |
| 79103       | 4          | 0.233            | 5.92 |
| 79104       | 5          | 0.250            | 6.35 |
| 79105       | 7          | 0.266            | 6.76 |
| 79106       | 9          | 0.321            | 8.15 |
| 79107       | 12         | 0.329            | 8.36 |
| 79108       | 18         | 0.376            | 9.55 |

### 18 AWG (0.81 mm<sup>2</sup>)

Stranding: 16/30 (16 x 0.25 mm)  
Insulation thickness: 0.010 (0.25 mm)  
Jacket thickness: 0.035 (0.89 mm)

| Part Number | Conductors | Nominal Diameter |      |
|-------------|------------|------------------|------|
|             |            | Inch             | mm   |
| 79109       | 2          | 0.236            | 5.99 |
| 79110       | 3          | 0.247            | 6.27 |
| 79111       | 4          | 0.264            | 6.71 |
| 79112       | 5          | 0.284            | 7.21 |
| 79113       | 7          | 0.305            | 7.75 |
| 79114       | 9          | 0.372            | 9.45 |
| 79115       | 12         | 0.381            | 9.68 |

### 16 AWG (1.32 mm<sup>2</sup>)

Stranding: 26/30 (26 x 0.25 mm)  
Insulation thickness: 0.011 (0.28 mm)  
Jacket thickness: 0.035 (0.89 mm)

| Part Number | Conductors | Nominal Diameter |      |
|-------------|------------|------------------|------|
|             |            | Inch             | mm   |
| 79116       | 2          | 0.262            | 6.65 |
| 79117       | 3          | 0.275            | 6.98 |
| 79118       | 4          | 0.296            | 7.52 |
| 79119       | 5          | 0.320            | 8.13 |
| 79120       | 7          | 0.345            | 8.76 |

### 14 AWG (2.08 mm<sup>2</sup>)

Stranding: 41/30 (41 x 0.25 mm)  
Insulation thickness: 0.011 (0.28 mm)  
Jacket thickness: 0.035 (0.81 mm)

| Part Number | Conductors | Nominal Diameter |      |
|-------------|------------|------------------|------|
|             |            | Inch             | mm   |
| 79121       | 2          | 0.294            | 7.47 |
| 79122       | 3          | 0.309            | 7.85 |
| 79123       | 4          | 0.335            | 8.51 |
| 79124       | 5          | 0.363            | 9.22 |
| 79125       | 7          | 0.392            | 9.96 |

### 12 AWG (3.29 mm<sup>2</sup>)

Stranding: 65/30 (65 x 0.25 mm)  
Insulation thickness: 0.012 (0.30 mm)  
Jacket thickness: 0.035 (0.81 mm)

| Part Number | Conductors | Nominal Diameter |      |
|-------------|------------|------------------|------|
|             |            | Inch             | mm   |
| 79126       | 3          | 0.354            | 8.99 |
| 79127       | 4          | 0.386            | 9.80 |

# EcoFlex Cable

## Supra-Shield® Foil + Braid

### 28 AWG (0.09 mm²)

Stranding: 7/36 (7 x 0.13 mm)  
Insulation thickness: 0.010 (0.25 mm)  
Jacket thickness: 0.035 (0.89 mm)

| Part Number  | Conductors | Nominal Diameter |      |
|--------------|------------|------------------|------|
|              |            | Inch             | mm   |
| <b>79261</b> | 2          | 0.174            | 4.42 |
| <b>79262</b> | 3          | 0.179            | 4.55 |

### 24 AWG (0.24 mm²)

Stranding: 19/36 (19 x 0.13 mm)  
Insulation thickness: 0.011 (0.25 mm)  
Jacket thickness: 0.035 (0.89 mm)

| Part Number  | Conductors | Nominal Diameter |      |
|--------------|------------|------------------|------|
|              |            | Inch             | mm   |
| <b>79250</b> | 2          | 0.194            | 4.93 |
| <b>79251</b> | 3          | 0.201            | 5.11 |
| <b>79252</b> | 4          | 0.213            | 5.41 |
| <b>79253</b> | 6          | 0.239            | 6.07 |
| <b>79254</b> | 8          | 0.27             | 6.86 |
| <b>79255</b> | 10         | 0.289            | 7.34 |

### 26 AWG (0.14 mm²)

Stranding: 7/34 (7 x 0.16 mm)  
Insulation thickness: 0.010 (0.25 mm)  
Jacket thickness: 0.035 (0.89 mm)

| Part Number  | Conductors | Nominal Diameter |      |
|--------------|------------|------------------|------|
|              |            | Inch             | mm   |
| <b>79256</b> | 2          | 0.182            | 4.62 |
| <b>79257</b> | 3          | 0.188            | 4.78 |
| <b>79258</b> | 4          | 0.198            | 5.03 |
| <b>79259</b> | 6          | 0.221            | 5.61 |
| <b>79260</b> | 8          | 0.248            | 6.30 |

### 22 AWG (0.38 mm²)

Stranding: 19/34 (19 x 0.16 mm)  
Insulation thickness: 0.010 (0.25 mm)  
Jacket thickness: 0.035 (0.89 mm)

| Part Number  | Conductors | Nominal Diameter |      |
|--------------|------------|------------------|------|
|              |            | Inch             | mm   |
| <b>79244</b> | 2          | 0.208            | 5.28 |
| <b>79245</b> | 3          | 0.216            | 5.49 |
| <b>79246</b> | 4          | 0.23             | 5.84 |
| <b>79247</b> | 6          | 0.26             | 6.60 |
| <b>79248</b> | 8          | 0.296            | 7.52 |
| <b>79249</b> | 10         | 0.318            | 8.08 |

### 20 AWG (0.51 mm²)

Stranding: 10/30 (10 x 0.25 mm)  
Insulation thickness: 0.010 (0.25 mm)  
Jacket thickness: 0.035 (0.89 mm)

| Part Number  | Conductors | Nominal Diameter |      |
|--------------|------------|------------------|------|
|              |            | Inch             | mm   |
| <b>79201</b> | 2          | 0.216            | 5.49 |
| <b>79202</b> | 3          | 0.225            | 5.72 |
| <b>79203</b> | 4          | 0.239            | 6.07 |
| <b>79204</b> | 5          | 0.256            | 6.50 |
| <b>79205</b> | 7          | 0.272            | 6.91 |
| <b>79206</b> | 9          | 0.328            | 8.33 |
| <b>79207</b> | 12         | 0.335            | 8.51 |
| <b>79208</b> | 18         | 0.382            | 9.70 |

# EcoFlex Cable

## Supra-Shield® Foil + Braid

### 18 AWG (0.81 mm²)

Stranding: 16/30 (16 x 0.25 mm)  
Insulation thickness: 0.010 (0.25 mm)  
Jacket thickness: 0.035 (0.89 mm)

| Part Number | Conductors | Nominal Diameter |       |
|-------------|------------|------------------|-------|
|             |            | Inch             | mm    |
| 79210       | 2          | 0.242            | 6.15  |
| 79211       | 3          | 0.253            | 6.43  |
| 79212       | 4          | 0.270            | 6.86  |
| 79213       | 5          | 0.290            | 7.37  |
| 79214       | 7          | 0.311            | 7.90  |
| 79215       | 9          | 0.378            | 9.60  |
| 79216       | 12         | 0.387            | 9.83  |
| 79217       | 18         | 0.445            | 11.30 |

### 16 AWG (1.32 mm²)

Stranding: 26/30 (26 x 0.25 mm)  
Insulation thickness: 0.011 (0.28 mm)  
Jacket thickness: 0.035 (0.89 mm)

| Part Number | Conductors | Nominal Diameter |       |
|-------------|------------|------------------|-------|
|             |            | Inch             | mm    |
| 79218       | 2          | 0.268            | 6.81  |
| 79219       | 3          | 0.281            | 7.14  |
| 79220       | 4          | 0.302            | 7.67  |
| 79221       | 5          | 0.326            | 8.28  |
| 79222       | 7          | 0.351            | 8.92  |
| 79223       | 9          | 0.432            | 10.97 |
| 79224       | 12         | 0.443            | 11.25 |

### 14 AWG (2.08 mm²)

Stranding: 41/30 (41 x 0.25 mm)  
Insulation thickness: 0.011 (0.28 mm)  
Jacket thickness: 0.035 (0.81 mm)

| Part Number | Conductors | Nominal Diameter |       |
|-------------|------------|------------------|-------|
|             |            | Inch             | mm    |
| 79225       | 2          | 0.300            | 7.62  |
| 79226       | 3          | 0.315            | 8.00  |
| 79227       | 4          | 0.341            | 8.66  |
| 79228       | 5          | 0.369            | 9.37  |
| 79229       | 7          | 0.398            | 10.11 |
| 79230       | 9          | 0.493            | 12.52 |
| 79231       | 12         | 0.507            | 12.88 |

### 12 AWG (3.29 mm²)

Stranding: 65/30 (65 x 0.25 mm)  
Insulation thickness: 0.012 (0.30 mm)  
Jacket thickness: 0.035 (0.81 mm)

| Part Number | Conductors | Nominal Diameter |       |
|-------------|------------|------------------|-------|
|             |            | Inch             | mm    |
| 79232       | 3          | 0.360            | 9.14  |
| 79233       | 4          | 0.391            | 9.93  |
| 79234       | 5          | 0.426            | 10.82 |
| 79235       | 7          | 0.462            | 11.73 |

### 10 AWG (5.32 mm²)

Stranding: 105/30 (105 x 0.25 mm)  
Insulation thickness: 0.012 (0.30 mm)  
Jacket thickness: 0.035 (0.81 mm)

| Part Number | Conductors | Nominal Diameter |       |
|-------------|------------|------------------|-------|
|             |            | Inch             | mm    |
| 79236       | 3          | 0.419            | 10.64 |
| 79237       | 4          | 0.457            | 11.61 |

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