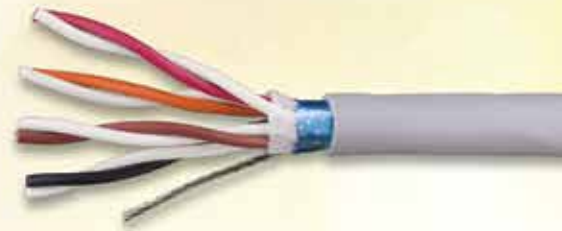


EcoCable® Mini

Small Just Got Mini



AlphaWire

*Cables you trust. Service you deserve.*

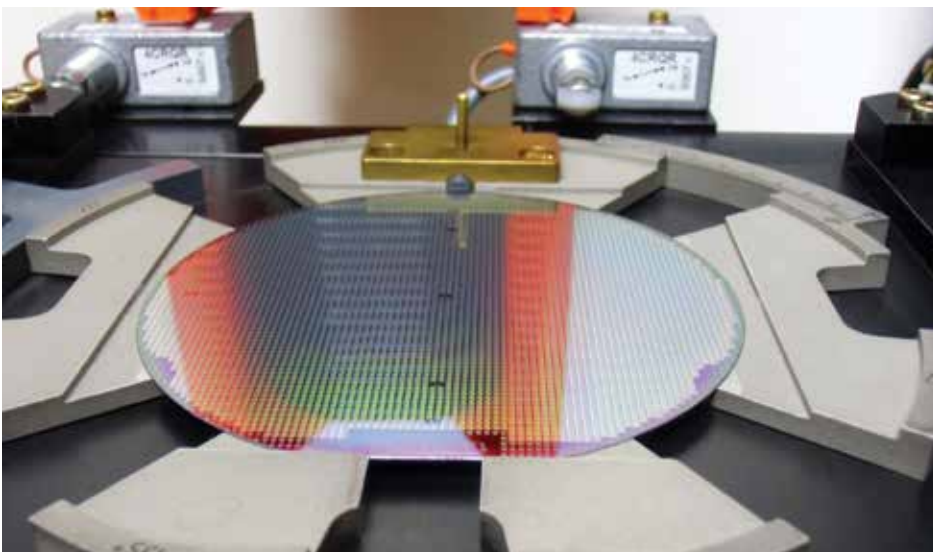
## EcoCable® Mini Cable

The Smallest Solution to Your Biggest Cable Problems



**S**mall just got mini. Introducing EcoCable Mini. Our newest, completely recyclable high-performance cable is also our smallest and lightest to date. The latest addition to our EcoGen™ family of recyclable wire and cable, EcoCable Mini is small, but the performance advantages are big!

It has all the benefits of our regular EcoCable line, like low specific gravity, low outgassing, and zero halogens. But it's also up to 32% smaller and 44% lighter than standard 300 V PVC cable.



## Small Just got Mini

EcoCable Mini recyclable cable was developed in response to our customers' need for smaller, lighter 300 V cable.

By combining better performance and minimum environmental impact, EcoCable Mini uses its mPPE insulation and jacketing to provide application advantages in a smaller, lighter cable.

Its size makes routing and installation even easier, saving more time during production and maintenance. Even more convenient, it is available in over 250 standard configurations including four shielding options.

## Smaller Size, Lower Weight

Design smaller, lighter devices with EcoCable Mini. Up to 32% smaller and 44% lighter than standard PVC cable, EcoCable Mini uses finely stranded conductors for remarkable flexibility, giving you more options for fast, easy routing. And the thin-wall insulation and jackets give you the most efficient use of constrained spaces.

## Low Outgassing

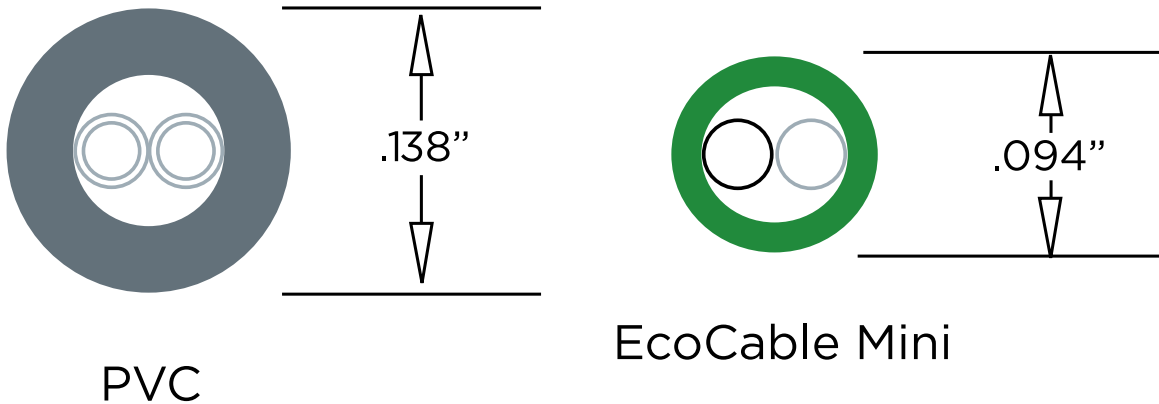
In applications like medical devices and semiconductor manufacturing equipment, low outgassing is critical in preventing corrosion, contamination, and premature component failure.

EcoCable Mini cable gives you the advantage of up to 92% lower outgassing than PVC control cable. Low outgassing makes it well suited for cleanrooms, where an extremely low particle count is required to lessen the possibility of failure due to contamination.

## More Application Options

EcoCable Mini is a 300 V cable that's ideal for power and signal transmission applications in medical devices, semiconductor manufacturing equipment, and anywhere you are trying to take size and weight out of your design.

**Size Comparison: 28 AWG, 2 conductor unshielded cable**





It's also available in custom and composite configurations, so finding the right EcoCable Mini cable for your application is easier than ever.

**Take Advantage of all the Advantages**

- Up to 32% smaller and 44% lighter than PVC
- 92% lower outgassing than PVC
- 28 to 20 AWG

- 100% recyclable mPPE insulation and jacketing
- Contains no halogens, phthalates, or heavy metals
- Meets RoHS and WEEE requirements

**Superior Availability**

- Available from stock in most sizes and constructions
- Put-ups as small as 100'
- Same day shipment, next day delivery



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

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

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



**Specifications**

**Configurations**

- Multiconductor or multipair
- Unshielded, foil shielded, individually shielded pairs + overall foil shield, and Supra-Shield Foil + Braid
- Custom and composite configurations available

**Materials**

- Conductors: Tinned copper
- Insulation: mPPE
- Shielding: Foil
- Jacket: mPPE

**Temperature Range**

- -40°C to +80°C

**Voltage Rating**

- 300 V

**Properties**

- Zero halogen
- Specific gravity: 1.03
- 100% recyclable
- Low outgassing

**Approvals**

- UL AWM 21460
- CE
- CSA I A/B FT1
- RoHS
- REACH
- WEEE
- Suitable for use in NFPA 79 applications
- Meets UL VW-1 Flame Rating

**Availability**

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

# EcoCable Mini Cable



## Unshielded Multiconductor

### 28 AWG (0.0925 mm<sup>2</sup>)

Stranding: 19/40 (19 x 0.079 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number | Conductors | Nominal Diameter |      |
|-------------|------------|------------------|------|
|             |            | Inch             | mm   |
| 78002       | 2          | 0.094            | 2.39 |
| 78003       | 3          | 0.099            | 2.51 |
| 78004       | 4          | 0.107            | 2.72 |
| 78006       | 6          | 0.124            | 3.15 |
| 78008       | 8          | 0.134            | 3.40 |

### 26 AWG (0.154 mm<sup>2</sup>)

Stranding: 19/38 (19 x 0.102 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number | Conductors | Nominal Diameter |      |
|-------------|------------|------------------|------|
|             |            | Inch             | mm   |
| 78012       | 2          | 0.102            | 2.59 |
| 78013       | 3          | 0.107            | 2.72 |
| 78014       | 4          | 0.116            | 2.95 |
| 78016       | 6          | 0.136            | 3.45 |
| 78018       | 8          | 0.147            | 3.73 |
| 78020       | 10         | 0.170            | 4.32 |
| 78021       | 15         | 0.190            | 4.83 |

### 24 AWG (0.241 mm<sup>2</sup>)

Stranding: 19/36 (19 x 0.127 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number | Conductors | Nominal Diameter |      |
|-------------|------------|------------------|------|
|             |            | Inch             | mm   |
| 78022       | 2          | 0.112            | 2.84 |
| 78023       | 3          | 0.118            | 3.00 |
| 78024       | 4          | 0.128            | 3.25 |
| 78026       | 6          | 0.152            | 3.86 |
| 78028       | 8          | 0.164            | 4.17 |
| 78030       | 10         | 0.190            | 4.83 |
| 78031       | 15         | 0.213            | 5.41 |
| 78403       | 20         | 0.238            | 6.05 |
| 78433       | 25         | 0.268            | 6.81 |

### 22 AWG (0.382 mm<sup>2</sup>)

Stranding: 19/34 (19 x 0.16 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number | Conductors | Nominal Diameter |      |
|-------------|------------|------------------|------|
|             |            | Inch             | mm   |
| 78032       | 2          | 0.126            | 3.20 |
| 78033       | 3          | 0.133            | 3.38 |
| 78034       | 4          | 0.145            | 3.68 |
| 78036       | 6          | 0.173            | 4.39 |
| 78038       | 8          | 0.187            | 4.75 |
| 78040       | 10         | 0.218            | 5.54 |
| 78041       | 15         | 0.245            | 6.22 |
| 78404       | 20         | 0.275            | 6.98 |
| 78434       | 25         | 0.310            | 7.87 |

### 20 AWG (0.616 mm<sup>2</sup>)

Stranding: 19/32 (19 x 0.203 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number | Conductors | Nominal Diameter |      |
|-------------|------------|------------------|------|
|             |            | Inch             | mm   |
| 78042       | 2          | 0.142            | 3.61 |
| 78043       | 3          | 0.150            | 3.81 |
| 78044       | 4          | 0.165            | 4.19 |
| 78046       | 6          | 0.197            | 5.00 |
| 78048       | 8          | 0.214            | 5.44 |
| 78050       | 10         | 0.250            | 6.35 |
| 78055       | 15         | 0.282            | 7.16 |
| 78405       | 20         | 0.317            | 8.05 |
| 78435       | 25         | 0.358            | 9.09 |

# EcoCable Mini Cable



## Unshielded Pairs

### 28 AWG (0.0925 mm<sup>2</sup>)

Stranding: 19/40 (19 x 0.079 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number | Pairs | Nominal Diameter |      |
|-------------|-------|------------------|------|
|             |       | Inch             | mm   |
| 78052       | 2     | 0.132            | 3.35 |
| 78053       | 3     | 0.140            | 3.56 |
| 78054       | 4     | 0.153            | 3.89 |
| 78005       | 5     | 0.167            | 4.24 |
| 78056       | 6     | 0.182            | 4.62 |
| 78058       | 8     | 0.198            | 5.03 |
| 78009       | 9     | 0.213            | 5.41 |

### 26 AWG (0.154 mm<sup>2</sup>)

Stranding: 19/38 (19 x 0.102 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number | Pairs | Nominal Diameter |      |
|-------------|-------|------------------|------|
|             |       | Inch             | mm   |
| 78062       | 2     | 0.146            | 3.71 |
| 78063       | 3     | 0.154            | 3.91 |
| 78064       | 4     | 0.169            | 4.29 |
| 78015       | 5     | 0.185            | 4.70 |
| 78066       | 6     | 0.202            | 5.13 |
| 78068       | 8     | 0.219            | 5.56 |
| 78019       | 9     | 0.237            | 6.02 |

### 24 AWG (0.241 mm<sup>2</sup>)

Stranding: 19/36 (19 x 0.127 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number | Pairs | Nominal Diameter |       |
|-------------|-------|------------------|-------|
|             |       | Inch             | mm    |
| 78072       | 2     | 0.162            | 4.11  |
| 78073       | 3     | 0.172            | 4.37  |
| 78074       | 4     | 0.189            | 4.80  |
| 78025       | 5     | 0.207            | 5.26  |
| 78076       | 6     | 0.227            | 5.77  |
| 78078       | 8     | 0.247            | 6.27  |
| 78029       | 9     | 0.267            | 6.78  |
| 78408       | 20    | 0.369            | 9.37  |
| 78438       | 25    | 0.418            | 10.62 |

### 22 AWG (0.382 mm<sup>2</sup>)

Stranding: 19/34 (19 x 0.16 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number | Pairs | Nominal Diameter |       |
|-------------|-------|------------------|-------|
|             |       | Inch             | mm    |
| 78082       | 2     | 0.185            | 4.70  |
| 78083       | 3     | 0.197            | 5.00  |
| 78084       | 4     | 0.217            | 5.51  |
| 78035       | 5     | 0.239            | 6.07  |
| 78086       | 6     | 0.261            | 6.63  |
| 78088       | 8     | 0.285            | 7.24  |
| 78039       | 9     | 0.309            | 7.85  |
| 78409       | 20    | 0.429            | 10.90 |
| 78439       | 25    | 0.487            | 12.37 |

### 20 AWG (0.616 mm<sup>2</sup>)

Stranding: 19/32 (19 x 0.203 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number | Pairs | Nominal Diameter |       |
|-------------|-------|------------------|-------|
|             |       | Inch             | mm    |
| 78092       | 2     | 0.211            | 5.36  |
| 78093       | 3     | 0.225            | 5.72  |
| 78094       | 4     | 0.248            | 6.30  |
| 78045       | 5     | 0.274            | 6.96  |
| 78096       | 6     | 0.301            | 7.65  |
| 78098       | 8     | 0.328            | 8.33  |
| 78049       | 9     | 0.356            | 9.04  |
| 78410       | 20    | 0.498            | 12.65 |
| 78440       | 25    | 0.565            | 14.35 |

## More Choice!

EcoCable Mini cable is available with up to 25 conductors and a variety of shielding options. Custom and composite configurations are also available. Consult Alpha Wire for the latest product specifications.

## Sample the Performance

Samples of EcoCable Mini cable are available today! Request yours at [www.alphawire.com/ecogen](http://www.alphawire.com/ecogen) or call 1-800-52 ALPHA

# EcoCable Mini Cable



## Foil Shielded Multiconductor

### 28 AWG (0.0925 mm<sup>2</sup>)

Stranding: 19/40 (19 x 0.079 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number | Conductors | Nominal Diameter |      |
|-------------|------------|------------------|------|
|             |            | Inch             | mm   |
| 78102       | 2          | 0.098            | 2.49 |
| 78103       | 3          | 0.103            | 2.62 |
| 78104       | 4          | 0.111            | 2.82 |
| 78106       | 6          | 0.128            | 3.25 |
| 78108       | 8          | 0.138            | 3.51 |

### 26 AWG (0.154 mm<sup>2</sup>)

Stranding: 19/38 (19 x 0.102 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number | Conductors | Nominal Diameter |      |
|-------------|------------|------------------|------|
|             |            | Inch             | mm   |
| 78112       | 2          | 0.106            | 2.69 |
| 78113       | 3          | 0.111            | 2.82 |
| 78114       | 4          | 0.12             | 3.05 |
| 78116       | 6          | 0.14             | 3.56 |
| 78118       | 8          | 0.151            | 3.84 |
| 78120       | 10         | 0.174            | 4.42 |
| 78121       | 15         | 0.194            | 4.93 |

### 24 AWG (0.241 mm<sup>2</sup>)

Stranding: 19/36 (19 x 0.127 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number | Conductors | Nominal Diameter |      |
|-------------|------------|------------------|------|
|             |            | Inch             | mm   |
| 78122       | 2          | 0.116            | 2.95 |
| 78123       | 3          | 0.122            | 3.10 |
| 78124       | 4          | 0.132            | 3.35 |
| 78126       | 6          | 0.156            | 3.96 |
| 78128       | 8          | 0.168            | 4.27 |
| 78130       | 10         | 0.194            | 4.93 |
| 78131       | 15         | 0.217            | 5.51 |
| 78413       | 20         | 0.242            | 6.15 |
| 78443       | 25         | 0.272            | 6.91 |

### 22 AWG (0.382 mm<sup>2</sup>)

Stranding: 19/34 (19 x 0.16 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number | Conductors | Nominal Diameter |      |
|-------------|------------|------------------|------|
|             |            | Inch             | mm   |
| 78132       | 2          | 0.13             | 3.30 |
| 78133       | 3          | 0.137            | 3.48 |
| 78134       | 4          | 0.149            | 3.78 |
| 78136       | 6          | 0.177            | 4.50 |
| 78138       | 8          | 0.191            | 4.85 |
| 78140       | 10         | 0.222            | 5.64 |
| 78141       | 15         | 0.249            | 6.32 |
| 78414       | 20         | 0.279            | 7.09 |
| 78444       | 25         | 0.314            | 7.98 |

### 20 AWG (0.616 mm<sup>2</sup>)

Stranding: 19/32 (19 x 0.203 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number | Conductors | Nominal Diameter |      |
|-------------|------------|------------------|------|
|             |            | Inch             | mm   |
| 78142       | 2          | 0.146            | 3.71 |
| 78143       | 3          | 0.154            | 3.91 |
| 78144       | 4          | 0.169            | 4.29 |
| 78146       | 6          | 0.201            | 5.11 |
| 78148       | 8          | 0.218            | 5.54 |
| 78150       | 10         | 0.254            | 6.45 |
| 78155       | 15         | 0.286            | 7.26 |
| 78415       | 20         | 0.321            | 8.15 |
| 78445       | 25         | 0.362            | 9.19 |

# EcoCable Mini Cable



## Foil Shielded Pairs

### 28 AWG (0.0925 mm<sup>2</sup>)

Stranding: 19/40 (19 x 0.079 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number | Pairs | Nominal Diameter |      |
|-------------|-------|------------------|------|
|             |       | Inch             | mm   |
| 78152       | 2     | 0.136            | 3.45 |
| 78153       | 3     | 0.144            | 3.66 |
| 78154       | 4     | 0.157            | 3.99 |
| 78105       | 5     | 0.171            | 4.34 |
| 78156       | 6     | 0.186            | 4.72 |
| 78158       | 8     | 0.202            | 5.13 |
| 78109       | 9     | 0.217            | 5.51 |

### 26 AWG (0.154 mm<sup>2</sup>)

Stranding: 19/38 (19 x 0.102 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number | Pairs | Nominal Diameter |      |
|-------------|-------|------------------|------|
|             |       | Inch             | mm   |
| 78162       | 2     | 0.150            | 3.81 |
| 78163       | 3     | 0.158            | 4.01 |
| 78164       | 4     | 0.173            | 4.39 |
| 78115       | 5     | 0.189            | 4.80 |
| 78166       | 6     | 0.206            | 5.23 |
| 78168       | 8     | 0.223            | 5.66 |
| 78119       | 9     | 0.241            | 6.12 |

### 24 AWG (0.241 mm<sup>2</sup>)

Stranding: 19/36 (19 x 0.127 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number | Pairs | Nominal Diameter |       |
|-------------|-------|------------------|-------|
|             |       | Inch             | mm    |
| 78172       | 2     | 0.166            | 4.22  |
| 78173       | 3     | 0.176            | 4.47  |
| 78174       | 4     | 0.193            | 4.90  |
| 78125       | 5     | 0.211            | 5.36  |
| 78176       | 6     | 0.231            | 5.87  |
| 78178       | 8     | 0.251            | 6.38  |
| 78129       | 9     | 0.271            | 6.88  |
| 78418       | 20    | 0.421            | 10.69 |
| 78448       | 25    | 0.478            | 12.14 |

### 22 AWG (0.382 mm<sup>2</sup>)

Stranding: 19/34 (19 x 0.16 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number | Pairs | Nominal Diameter |       |
|-------------|-------|------------------|-------|
|             |       | Inch             | mm    |
| 78182       | 2     | 0.189            | 4.80  |
| 78183       | 3     | 0.201            | 5.11  |
| 78184       | 4     | 0.221            | 5.61  |
| 78135       | 5     | 0.243            | 6.17  |
| 78186       | 6     | 0.265            | 6.73  |
| 78188       | 8     | 0.289            | 7.34  |
| 78139       | 9     | 0.313            | 7.95  |
| 78419       | 20    | 0.486            | 12.34 |
| 78449       | 25    | 0.551            | 14.00 |

### 20 AWG (0.616 mm<sup>2</sup>)

Stranding: 19/32 (19 x 0.203 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number | Pairs | Nominal Diameter |       |
|-------------|-------|------------------|-------|
|             |       | Inch             | mm    |
| 78192       | 2     | 0.215            | 5.46  |
| 78193       | 3     | 0.229            | 5.82  |
| 78194       | 4     | 0.252            | 6.40  |
| 78145       | 5     | 0.278            | 7.06  |
| 78196       | 6     | 0.305            | 7.75  |
| 78198       | 8     | 0.332            | 8.43  |
| 78149       | 9     | 0.360            | 9.14  |
| 78420       | 20    | 0.559            | 14.20 |
| 78450       | 25    | 0.635            | 16.13 |

## More Choice!

EcoCable Mini cable is available with up to 25 conductors and a variety of shielding options. Custom and composite configurations are also available. Consult Alpha Wire for the latest product specifications.

## Sample the Performance

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# EcoCable Mini Cable

## Individually Foil Shielded Pairs + Overall Foil Shield

### 28 AWG (0.0925 mm<sup>2</sup>)

Stranding: 19/40 (19 x 0.079 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number | Pairs | Nominal Diameter |      |
|-------------|-------|------------------|------|
|             |       | Inch             | mm   |
| 78202       | 2     | 0.153            | 3.89 |
| 78213       | 3     | 0.162            | 4.11 |
| 78204       | 4     | 0.177            | 4.50 |
| 78205       | 5     | 0.194            | 4.93 |
| 78206       | 6     | 0.211            | 5.36 |
| 78208       | 8     | 0.229            | 5.82 |
| 78209       | 9     | 0.247            | 6.27 |

### 26 AWG (0.154 mm<sup>2</sup>)

Stranding: 19/38 (19 x 0.102 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number | Pairs | Nominal Diameter |      |
|-------------|-------|------------------|------|
|             |       | Inch             | mm   |
| 78212       | 2     | 0.167            | 4.24 |
| 78223       | 3     | 0.177            | 4.50 |
| 78214       | 4     | 0.194            | 4.93 |
| 78215       | 5     | 0.213            | 5.41 |
| 78216       | 6     | 0.232            | 5.89 |
| 78218       | 8     | 0.252            | 6.40 |
| 78219       | 9     | 0.273            | 6.93 |

### 24 AWG (0.241 mm<sup>2</sup>)

Stranding: 19/36 (19 x 0.127 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number | Pairs | Nominal Diameter |      |
|-------------|-------|------------------|------|
|             |       | Inch             | mm   |
| 78222       | 2     | 0.185            | 4.70 |
| 78233       | 3     | 0.196            | 4.98 |
| 78224       | 4     | 0.215            | 5.46 |
| 78225       | 5     | 0.237            | 6.02 |
| 78226       | 6     | 0.259            | 6.58 |
| 78228       | 8     | 0.282            | 7.16 |
| 78229       | 9     | 0.305            | 7.75 |

### 22 AWG (0.382 mm<sup>2</sup>)

Stranding: 19/34 (19 x 0.16 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number | Pairs | Nominal Diameter |      |
|-------------|-------|------------------|------|
|             |       | Inch             | mm   |
| 78232       | 2     | 0.209            | 5.31 |
| 78243       | 3     | 0.222            | 5.64 |
| 78234       | 4     | 0.245            | 6.22 |
| 78235       | 5     | 0.270            | 6.86 |
| 78236       | 6     | 0.296            | 7.52 |
| 78238       | 8     | 0.322            | 8.18 |
| 78239       | 9     | 0.349            | 8.86 |

### 20 AWG (0.616 mm<sup>2</sup>)

Stranding: 19/32 (19 x 0.203 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number | Pairs | Nominal Diameter |       |
|-------------|-------|------------------|-------|
|             |       | Inch             | mm    |
| 78242       | 2     | 0.237            | 6.02  |
| 78253       | 3     | 0.253            | 6.43  |
| 78244       | 4     | 0.279            | 7.09  |
| 78245       | 5     | 0.308            | 7.82  |
| 78246       | 6     | 0.338            | 8.59  |
| 78248       | 8     | 0.369            | 9.37  |
| 78249       | 9     | 0.400            | 10.16 |

# EcoCable Mini Cable

## Supra-Shield Foil + Braid Multiconductor

### 28 AWG (0.0925 mm<sup>2</sup>)

Stranding: 19/40 (19 x 0.079 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number  | Conductors | Nominal Diameter |      |
|--------------|------------|------------------|------|
|              |            | Inch             | mm   |
| <b>78302</b> | 2          | 0.125            | 3.18 |
| <b>78303</b> | 3          | 0.130            | 3.30 |
| <b>78304</b> | 4          | 0.138            | 3.51 |
| <b>78306</b> | 6          | 0.155            | 3.94 |
| <b>78308</b> | 8          | 0.165            | 4.19 |

### 26 AWG (0.154 mm<sup>2</sup>)

Stranding: 19/38 (19 x 0.102 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number  | Conductors | Nominal Diameter |      |
|--------------|------------|------------------|------|
|              |            | Inch             | mm   |
| <b>78312</b> | 2          | 0.133            | 3.38 |
| <b>78313</b> | 3          | 0.138            | 3.51 |
| <b>78314</b> | 4          | 0.147            | 3.73 |
| <b>78316</b> | 6          | 0.167            | 4.24 |
| <b>78318</b> | 8          | 0.178            | 4.52 |
| <b>78320</b> | 10         | 0.201            | 5.11 |
| <b>78321</b> | 15         | 0.221            | 5.61 |

### 24 AWG (0.241 mm<sup>2</sup>)

Stranding: 19/36 (19 x 0.127 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number  | Conductors | Nominal Diameter |      |
|--------------|------------|------------------|------|
|              |            | Inch             | mm   |
| <b>78322</b> | 2          | 0.143            | 3.63 |
| <b>78323</b> | 3          | 0.149            | 3.78 |
| <b>78324</b> | 4          | 0.159            | 4.04 |
| <b>78326</b> | 6          | 0.183            | 4.65 |
| <b>78328</b> | 8          | 0.195            | 4.95 |
| <b>78330</b> | 10         | 0.221            | 5.61 |
| <b>78331</b> | 15         | 0.244            | 6.20 |
| <b>78423</b> | 20         | 0.269            | 6.83 |
| <b>78453</b> | 25         | 0.299            | 7.59 |

### 22 AWG (0.382 mm<sup>2</sup>)

Stranding: 19/34 (19 x 0.16 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number  | Conductors | Nominal Diameter |      |
|--------------|------------|------------------|------|
|              |            | Inch             | mm   |
| <b>78332</b> | 2          | 0.157            | 3.99 |
| <b>78333</b> | 3          | 0.164            | 4.17 |
| <b>78334</b> | 4          | 0.176            | 4.47 |
| <b>78336</b> | 6          | 0.204            | 5.18 |
| <b>78338</b> | 8          | 0.218            | 5.54 |
| <b>78340</b> | 10         | 0.249            | 6.32 |
| <b>78341</b> | 15         | 0.276            | 7.01 |
| <b>78424</b> | 20         | 0.306            | 7.77 |
| <b>78454</b> | 25         | 0.341            | 8.66 |

### 20 AWG (0.616 mm<sup>2</sup>)

Stranding: 19/32 (19 x 0.203 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number  | Conductors | Nominal Diameter |      |
|--------------|------------|------------------|------|
|              |            | Inch             | mm   |
| <b>78342</b> | 2          | 0.173            | 4.39 |
| <b>78343</b> | 3          | 0.181            | 4.60 |
| <b>78344</b> | 4          | 0.196            | 4.98 |
| <b>78346</b> | 6          | 0.228            | 5.79 |
| <b>78348</b> | 8          | 0.245            | 6.22 |
| <b>78350</b> | 10         | 0.281            | 7.14 |
| <b>78355</b> | 15         | 0.313            | 7.95 |
| <b>78425</b> | 20         | 0.348            | 8.84 |
| <b>78455</b> | 25         | 0.389            | 9.88 |

## More Choice!

EcoCable Mini cable is available with up to 25 conductors and a variety of shielding options. Custom and composite configurations are also available. Consult Alpha Wire for the latest product specifications.

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# EcoCable Mini Cable

## Supra-Shield Foil + Braid Pairs

### 28 AWG (0.0925 mm<sup>2</sup>)

Stranding: 19/40 (19 x 0.079 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number | Pairs | Nominal Diameter |      |
|-------------|-------|------------------|------|
|             |       | Inch             | mm   |
| 78352       | 2     | 0.163            | 4.14 |
| 78353       | 3     | 0.171            | 4.34 |
| 78354       | 4     | 0.184            | 4.67 |
| 78305       | 5     | 0.198            | 5.03 |
| 78356       | 6     | 0.213            | 5.41 |
| 78358       | 8     | 0.229            | 5.82 |
| 78309       | 9     | 0.244            | 6.20 |

### 26 AWG (0.154 mm<sup>2</sup>)

Stranding: 19/38 (19 x 0.102 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number | Pairs | Nominal Diameter |      |
|-------------|-------|------------------|------|
|             |       | Inch             | mm   |
| 78362       | 2     | 0.177            | 4.50 |
| 78363       | 3     | 0.185            | 4.70 |
| 78364       | 4     | 0.200            | 5.08 |
| 78315       | 5     | 0.216            | 5.49 |
| 78366       | 6     | 0.233            | 5.92 |
| 78368       | 8     | 0.250            | 6.35 |
| 78319       | 9     | 0.268            | 6.81 |

### 24 AWG (0.241 mm<sup>2</sup>)

Stranding: 19/36 (19 x 0.127 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number | Pairs | Nominal Diameter |       |
|-------------|-------|------------------|-------|
|             |       | Inch             | mm    |
| 78372       | 2     | 0.193            | 4.90  |
| 78373       | 3     | 0.203            | 5.16  |
| 78374       | 4     | 0.220            | 5.59  |
| 78325       | 5     | 0.238            | 6.05  |
| 78376       | 6     | 0.258            | 6.55  |
| 78378       | 8     | 0.278            | 7.06  |
| 78329       | 9     | 0.298            | 7.57  |
| 78428       | 20    | 0.400            | 10.16 |
| 78458       | 25    | 0.449            | 11.40 |

### 22 AWG (0.382 mm<sup>2</sup>)

Stranding: 19/34 (19 x 0.16 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number | Pairs | Nominal Diameter |      |
|-------------|-------|------------------|------|
|             |       | Inch             | mm   |
| 78382       | 2     | 0.216            | 5.49 |
| 78383       | 3     | 0.228            | 5.79 |
| 78384       | 4     | 0.248            | 6.30 |
| 78335       | 5     | 0.270            | 6.86 |
| 78386       | 6     | 0.292            | 7.42 |
| 78388       | 8     | 0.316            | 8.03 |
| 78339       | 9     | 0.340            | 8.64 |

### 20 AWG (0.616 mm<sup>2</sup>)

Stranding: 19/32 (19 x 0.203 mm)  
Insulation thickness: 0.007 (0.18 mm)  
Jacket thickness: 0.015 (0.38 mm)

| Part Number | Pairs | Nominal Diameter |      |
|-------------|-------|------------------|------|
|             |       | Inch             | mm   |
| 78392       | 2     | 0.242            | 6.15 |
| 78393       | 3     | 0.256            | 6.50 |
| 78394       | 4     | 0.279            | 7.09 |
| 78345       | 5     | 0.305            | 7.75 |
| 78396       | 6     | 0.332            | 8.43 |
| 78398       | 8     | 0.359            | 9.12 |
| 78349       | 9     | 0.387            | 9.83 |

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