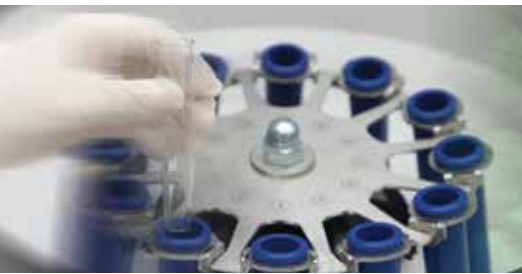


# EcoCable® Mini



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

- Up to 32% smaller than PVC
- Up to 44% lighter than PVC
- 92% lower outgassing than PVC
- 100% recyclable mPPE insulation and jacketing
- Contains no halogens, phthalates, or heavy metals



**Conductors:** Tinned copper

**Insulation:** mPPE

**Jacket:** mPPE

**Shielding:** Foil or foil + braid

**Voltage:** 300 V

**Temperature Range:** -40°C to +80°C

### Configurations

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

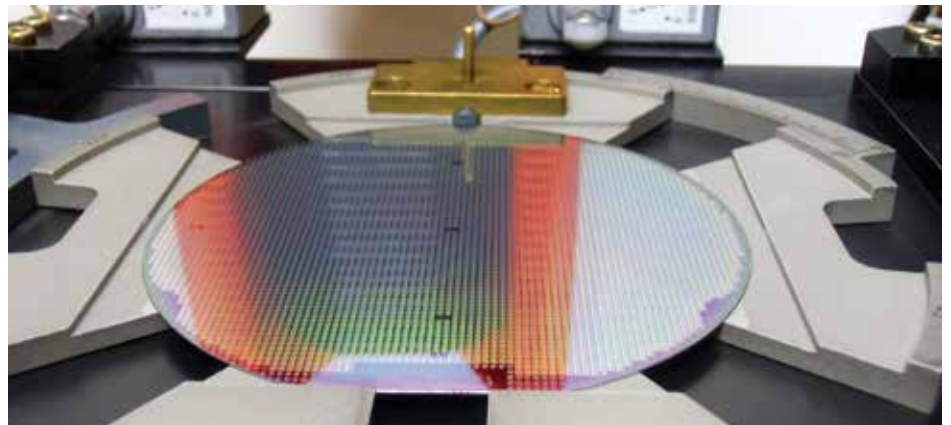
**Availability:** 100 ft (30.5 m)  
1000 ft (305 m)  
Bulk



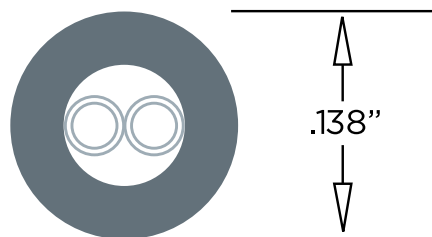
### Approvals

- UL AWM 21460
- UL VW-1
- CSA I A/B FT1
- CE
- RoHS
- REACH
- WEEE
- Suitable for use in NFPA 79 applications
- ISO 10993-5

Order free samples at [www.alphawire.com/ecogen](http://www.alphawire.com/ecogen) or call 1-800-52-ALPHA



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



PVC



EcoCable Mini

## 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

## 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

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## 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 (0.392 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	0.130	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

## 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!

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## Sample the Performance

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## 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

## 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
78302	2	0.125	3.18
78303	3	0.130	3.30
78304	4	0.138	3.51
78306	6	0.155	3.94
78308	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
78312	2	0.133	3.38
78313	3	0.138	3.51
78314	4	0.147	3.73
78316	6	0.167	4.24
78318	8	0.178	4.52
78320	10	0.201	5.11
78321	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
78322	2	0.143	3.63
78323	3	0.149	3.78
78324	4	0.159	4.04
78326	6	0.183	4.65
78328	8	0.195	4.95
78330	10	0.221	5.61
78331	15	0.244	6.20
78423	20	0.269	6.83
78453	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
78332	2	0.157	3.99
78333	3	0.164	4.17
78334	4	0.176	4.47
78336	6	0.204	5.18
78338	8	0.218	5.54
78340	10	0.249	6.32
78341	15	0.276	7.01
78424	20	0.306	7.77
78454	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
78342	2	0.173	4.39
78343	3	0.181	4.60
78344	4	0.196	4.98
78346	6	0.228	5.79
78348	8	0.245	6.22
78350	10	0.281	7.14
78355	15	0.313	7.95
78425	20	0.348	8.84
78455	25	0.389	9.88

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## 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