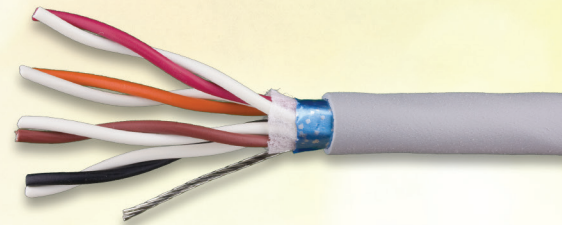
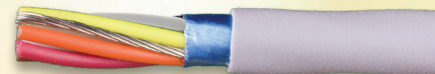
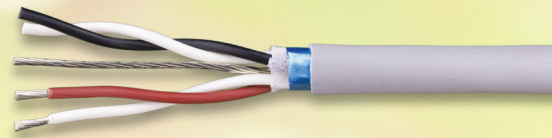


EcoCable® Mini

Small Just Got Mini

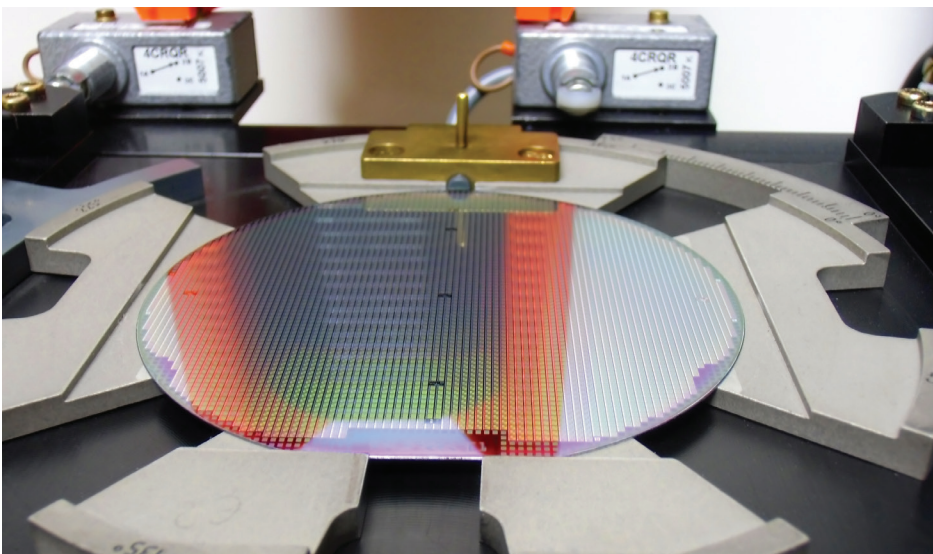


EcoCable® Mini Cable

The Smallest Solution to Your Biggest Cable Problems



Small just got smaller, with our EcoCable Mini. This high performance cable is our lightest to date, but with all the same advantages of our EcoGen family. This mini sized cable still has the same big performance advantages like low specific gravity, low outgassing, and zero halogens, while being 32% smaller and 44% lighter than the standard 300V PVC cable.



Small Just got Mini

EcoCable Mini 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

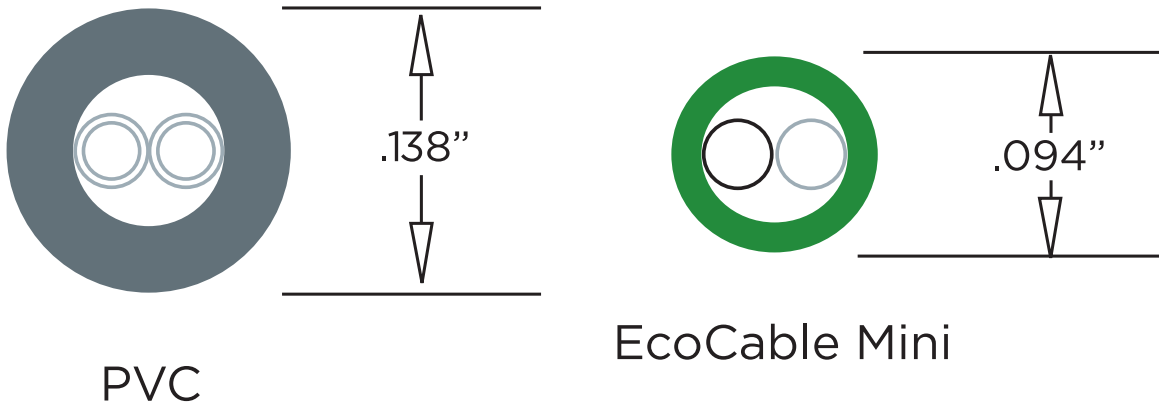
Design smaller, lighter devices with EcoCable Mini. Up to 32% smaller and 44% lighter than standard PVC cable, EcoCable Mini uses finely stranded conductors for remarkable flexibility, giving you more options for fast, easy routing. And the thin-wall insulation and jackets give you the most efficient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

Size Comparison: 28 AWG, 2 conductor unshielded cable



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.

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
- Contains no halogens, phthalates, or heavy metals
- Meets RoHS and WEEE requirements

Alpha Wire's high-performance wire and cable, purposely designed to provide superior 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



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
- 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 mm²)

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 mm²)

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 mm²)

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 mm²)

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 mm²)

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 mm²)

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 mm²)

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 mm²)

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 mm²)

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 mm²)

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

EcoCable Mini Cable



Foil Shielded Multiconductor

28 AWG (0.0925 mm²)

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 mm²)

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 mm²)

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 mm²)

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

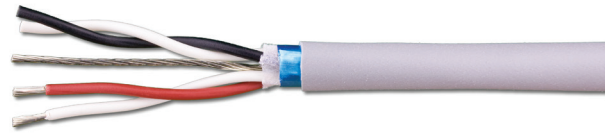
Part Number	Conductors	Nominal Diameter	
		Inch	mm
78132	2	0.13	3.30
78133	3	0.137	3.48
78134	4	0.149	3.78
78136	6	0.177	4.50
78138	8	0.191	4.85
78140	10	0.222	5.64
78141	15	0.249	6.32
78414	20	0.279	7.09
78444	25	0.314	7.98

20 AWG (0.616 mm²)

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 mm²)

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 mm²)

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 mm²)

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	0.373	9.47
78448	25	0.422	10.72

22 AWG (0.382 mm²)

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	0.433	11.00
78449	25	0.491	12.47

20 AWG (0.616 mm²)

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	0.502	12.75
78450	25	0.569	14.45

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

EcoCable Mini Cable

Individually Foil Shielded Pairs + Overall Foil Shield

28 AWG (0.0925 mm²)

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 mm²)

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 mm²)

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 mm²)

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 mm²)

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 mm²)

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 mm²)

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 mm²)

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 mm²)

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 mm²)

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

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

EcoCable Mini Cable

Supra-Shield Foil + Braid Pairs

28 AWG (0.0925 mm²)

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 mm²)

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 mm²)

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 mm²)

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 mm²)

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

Cables you trust. Service you deserve.

Every application is critical and cable failure is not an option when the safety of your equipment and personnel is paramount. Specify Alpha products since the integrity of your system is only as robust as the products you use.

Service and support, second-to-none

Selecting the correct cable for your critical application is essential to overall system reliability, performance, and safety. So we make it easy for you to select the right Alpha product for your specific application. Our online resources include a wire and cable selection guide, technical information, full product catalog, and a distributor locator to make it easy to select and get the wire or cable you need. Can't find what you're looking for? Design the cable to your specification. It's easy, just visit **www.alphawire.com**!

GLOBAL HEADQUARTERS
1320 City Center Drive
Suite 100
Carmel, IN 46032 USA
Toll Free: 1-800-52 ALPHA
Tel: 1-908-925-8000
Fax: 1-908-925-5411
E-mail: info@alphawire.com

EUROPE
Alpha Wire International
Saxon House
1 Downside | Sunbury-on-Thames
Middlesex | United Kingdom
TW16 6RT
Tel: 01 932 772 422
Fax: 01 932 772 433
E-mail: europa@alphawire.com

ASIA PACIFIC
Alpha Wire
Room 1308 | Baohua Mansion
No 1211 Changde Road
Shanghai | China | 200060
Tel: +86-21-6259 3510 / 6259 3957
Fax: +86-21-61498001
E-mail: apac@alphawire.com

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

