

Rubber Insulated Wire

Prestolite manufactures a full assortment of standard wire and cable products for the OEM in automotive and many other industries. These include welding cable, automotive primary wire, ABS cable, battery cable, and a large assortment of UL-approved cable styles and flex cordage. However, we specialize in designing custom cable and wire set solutions, including harness assemblies, to meet specific requirements for signal transmission, environmental concerns such as temperature or abrasion, and, for automotive applications, space constraints under the hood or in the chassis. Please contact us for any information on any standard or custom product need.

UL: 3284, Non VW-1
CSA: AWM I A/B, CL-1254, FT-2

Specifications

AWG Size	Number of Strands	Minimum Average Wall (inches)	Nominal OD (inches)
18	16	0.045	0.138
16	26	0.045	0.154
14	41	0.045	0.169
12	65	0.045	0.188
10	105	0.060	0.241
8	133	0.080	0.330
6	133	0.080	0.380
4	133	0.080	0.446
2	266	0.080	0.496
1	817	0.095	0.564
1/0	1045	0.095	0.610
2/0	1330	0.095	0.667
3/0	1672	0.095	0.714
4/0	2109	0.095	0.790

Note: AWG 20 is available upon request.

Conductor

- Stranded copper, tinned or bare

Separator

- Paper serve on 10 AWG and larger

Insulation

- EPDM

Temperature Rating

- 125°C

Voltage Rating

- 600 Volts

Applications

- For motor leads and internal wiring of appliances such as refrigerating equipment, room cooler units and heat pumps. For use as leads of transformers, motor ballasts, solenoids, etc. where the baking temperature of the windings and coils to which they are attached will not exceed 160°C.

Features

- EPDM insulated wire provides a 125°C rated wire that has more flexibility than crosslinked polyolefin insulated wire with the same temperature rating

UL: 3311
CSA: CL-905

Specifications

AWG Size	Number of Strands	Minimum Average Wall (inches)	Nominal OD (inches)
8	133	0.080	0.351
6	133	0.080	0.380
4	133	0.080	0.424
2	665	0.080	0.485
1	817	0.095	0.563
1/0	1064	0.095	0.625
2/0	1330	0.095	0.650
3/0	1672	0.095	0.746
4/0	2109	0.095	0.800

Note: Other AWG sizes available upon request.

Conductor

- Stranded copper, tinned or bare

Insulation

- EPDM

Temperature Rating

- 90°C

Voltage Rating

- 600 Volts

Applications

- For motor leads and internal wiring of appliances such as refrigerating equipment, room cooler units and heat pumps
- Suitable for other applications requiring tough, flexible, high current-carrying capacity cable
- Also suitable for welding cable applications where non-UL listed cable can be used, such as power feeds from the welding power source to the electrodes

Features

- Exceptional flexibility for ease in handling
- Tough, cut-through and abrasion-resistant insulation
- Resistant to heat, moisture, ozone and chemicals
- Excellent low temperature flexibility down to -40°C
- High dielectric strength and insulation resistance

UL: 3614, 3374, 3340, Non VW-1
CSA: AWM I A/B, CL-1503, FT-2

Specifications

AWG Size	Number of Strands	Minimum Average Wall (inches)	Nominal OD (inches)
20	10	0.045	0.131
10	105	0.045	0.222
4	133	0.060	0.400
3	133	0.060	0.451
2	266	0.060	0.471
2/0	1330	0.080	0.680
4/0	2109	0.080	0.780

Note: Other AWG sizes available upon request.

Conductor

- Stranded copper, tinned or bare

Insulation

- EPDM

Temperature Rating

- Temperature rating 125°C in flexing applications
- Temperature rating 150°C in non-flexing applications
- Temperatures not to exceed 150°C

Voltage Rating

- 600 Volts or 1000 Volts

Applications

- Internal wiring of appliances where exposed to temperatures not exceeding 125°C
- Where no flexing occurs either after installation or during service, a maximum temperature of 150°C is permissible

Features

- Excellent durability at high temperatures and good low-temperature flexibility
- Excellent dielectric strength
- Flexing and non-flexing use
- More flexible than XLPE



PRODUCT DATA

Rubber Insulated Wire

Specialty Cables

UL: 3484

CSA: AWM I B, FT-3

Specifications

AWG Size	Number of Strands	Minimum Average Wall (inches)	Nominal OD (inches)
18	16	0.030	0.110
16	26	0.030	0.135

Note: Other AWG sizes available upon request.

Conductor

- Stranded copper, tinned or bare

Insulation

- EPDM

Temperature Rating

- 125°C

Voltage Rating

- 600 Volts

Applications

- Internal wiring of lighting fixtures, appliances or electrical equipment where exposed to temperatures not exceeding 125°C

Features

- Excellent durability and flexibility
- High dielectric strength
- Tough, cut-through and abrasion-resistant insulation

Specialty Cables

UL: 3644

CSA: AWM I A/B, FT-2

Specifications

AWG Size	Number of Strands	Minimum Average Wall (inches)	Nominal OD (inches)
18	7	0.030	0.106

Note: Other AWG sizes available upon request.

Conductor

- Stranded copper, tinned or bare

Insulation

- High-temp Prestosil®

Temperature Rating

- 200°C

Voltage Rating

- 1000 Volts

Applications

- Internal wiring of appliances where totally enclosed and temperatures are not exceeding 200°C

Features

- Excellent durability at high temperatures
- Excellent low-temperature flexibility
- Excellent flex life
- High dielectric strength
- Excellent replacement for braided silicone

Specialty Cables

UL: 3328, VW-1 or Non-VW-1

CSA: AWM I A/B, CL-1255, FT-1 or FT-2

Specifications

AWG Size	Number of Strands	Minimum Average Wall (inches)	Nominal OD (inches)
18	16	0.060	0.171
16	26	0.060	0.185

Note: Other AWG sizes available upon request.

Conductor

- Stranded copper, tinned or bare

Insulation

- EPDM

Temperature Rating

- 125°C

Voltage Rating

- 600 Volts

Applications

- Internal wiring of appliances where exposed to temperatures not exceeding 125°C
- Typical areas of application include refrigerating equipment, room cooler units and heat pumps

Features

- Excellent durability at high temperatures and good low temperature flexibility
- Excellent dielectric strength
- More flexible than XLPE

Specialty Cables

UL: 3357

CSA: None

Specifications

AWG Size	Number of Strands	Minimum Average Wall (inches)	Nominal OD (inches)
20	41	0.045	0.130
18	65	0.045	0.145

Conductor

- Stranded copper, tinned or bare

Insulation

- EPDM

Temperature Rating

- 80°C or 90°C

Voltage Rating

- 5000 Volts

Applications

- Test probe leads for electrical and electronic measuring and test equipment

Features

- Excellent durability and flexibility
- High dielectric strength
- Tough, cut-through and abrasion-resistant insulation

Specialty Cables

UL: 3193, VW-1

CSA: CL-1052, FT-1

Specifications

AWG Size	Number of Strands	Minimum Average Wall (inches)	Nominal OD (inches)
3/0	259	0.080	0.700
4/0	259	0.080	0.814

Note: Other AWG sizes available upon request.

Conductor

- Stranded copper, tinned or bare

Insulation

- Hypalon*

Temperature Rating

- 105°C

Voltage Rating

- 600 Volts

Applications

- For internal wiring of appliances where temperatures do not exceed 105°C in air or 80°C in oil (UL)
- For use as leads of transformers, motors, ballasts, solenoids, etc., where the baking temperature of the windings, coils, etc. to which they are attached will not exceed 150°C (CSA)

Features

- Hypalon insulation provides an excellent combination of flame and oil resistance, along with flexibility.

Specialty Cables

UL: 3280

CSA: AWM I A/B

Specifications

AWG Size	Number of Strands	Minimum Average Wall (inches)	Nominal OD (inches)
18	16	0.030	0.113

Note: Other AWG sizes available upon request.

Conductor

- Stranded copper, tinned or bare

Insulation

- EPDM

Temperature Rating

- 105°C

Voltage Rating

- 300 Volts

Applications

- Motor leads and internal wiring of appliances where exposed to temperatures not exceeding 105°C

Features

- Excellent durability and flexibility
- High dielectric strength
- Tough, cut-through and abrasion-resistant insulation

PRODUCT DATA

Rubber Insulated Wire

Dual Rated Cables

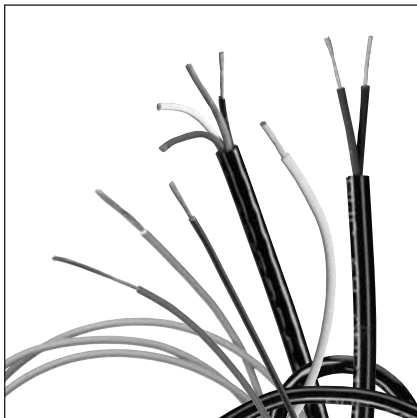
UL: 3374, 3340, Non VW-1

CSA: CL-1254, FT-2

Specifications

AWG Size	Number of Strands	Minimum Average Wall (inches)	Nominal OD (inches)
18	16	0.060	0.166
16	26	0.060	0.186
14	41	0.060	0.211
10	105	0.060	0.235
8	133	0.080	0.322
6	266	0.080	0.395
4	133	0.080	0.435
2	266	0.080	0.486
1	817	0.095	0.559
1/0	1045	0.095	0.640
2/0	1330	0.095	0.661
4/0	2109	0.095	0.790

Note: Other AWG sizes available upon request.



Conductor

- Stranded tinned copper

Separator

- Paper serve on 10 AWG and larger

Insulation

- EPDM

Temperature Rating

- 125°C in flexing applications
- 150°C in non-flexing applications (UL 3374 and UL 3340 only)

Voltage Rating

- 600 Volts

Applications

- For motor leads and internal wiring of appliances such as refrigerating equipment, room cooler units and heat pumps where use temperatures do not exceed 125°C.
- Where no flexing occurs after installation or during service, a maximum temperature of 150°C is permissible
- Also for use as leads of transformers, motor ballasts, solenoids, etc., where the baking temperature of the windings and coils to which they are attached will not exceed 160°C

Features

- Tough, cut-through and abrasion-resistant insulation
- Resistant to heat, moisture, ozone and chemicals
- Excellent low temperature flexibility down to -40°C
- High dielectric strength and insulation resistance
- Withstands varnish dip and bake cycles for motor coil lead applications

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