



Cross-linked PE 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: 3290
CSA: CL-1251, AWM I A/B

Specifications

AWG Size	Number of Strands	Minimum Average Wall (inches)	Nominal OD (inches)
18	16	0.060	0.180
16	26	0.060	0.186

Note: Other AWG sizes available upon request.

Conductor

- Stranded copper, tinned or bare

Insulation

- XLPE

Temperature Rating

- 125°C

Voltage Rating

- 600 Volts

Applications

- For internal wiring of appliances where exposed to temperatures not exceeding 125°C
- Typical areas of application include heat pumps and refrigerating equipment

Features

- Excellent durability at high temperatures
- Good low temperature flexibility
- High dielectric strength
- Tough, cut-through and abrasion-resistant insulation
- Resistant to heat, moisture, ozone and chemicals

PRODUCT DATA

Cross-linked PE Insulated Wire

UL: 3195, 3196, Non VW-1

CSA: AWM I A/B, CL-1251, FT-2

Specifications

UL Style	AWG Size	Number of Strands	Minimum Average Wall (inches)	Nominal OD (inches)
3195	8	133	0.047	0.262
3196	6	133	0.063	0.337

UL: 3173, Non VW-1

CSA: AWM I A/B, CL-1251, FT-2

Specifications

AWG Size	Number of Strands	Minimum Average Wall (inches)	Nominal OD (inches)
22	7	0.030	0.094
20	10	0.030	0.102
18	16	0.030	0.113
16	26	0.030	0.125
14	41	0.030	0.142
12	65	0.030	0.161
10	105	0.030	0.187

UL: SIS and 3320, Non VW-1

CSA: SIS — FT-2; and 3320 — AWM I A/B, FT-2

Specifications

UL Style	AWG Size	Number of Strands	Minimum Average Wall (inches)	Nominal OD (inches)
3320	18	16	0.031	0.115
	16	26	0.031	0.125
SIS	14	41	0.031	0.140
	12	65	0.031	0.163
	10	105	0.031	0.186
	8	133	0.045	0.266
	6	133	0.060	0.330

Note: Other AWG sizes available for UL 3320 upon request.

Conductor

- Stranded copper, tinned or bare
- Stranding available in other constructions, as well as in tinned or bare

Insulation

- XLPE

Temperature Rating

- 125°C

Voltage Rating

- 600 Volts

Applications

- For internal wiring of appliances where exposed to temperatures not exceeding 125°C (UL) in power-operated dispensing units and where exposed to gasoline vapors
- For use as leads of transformers, motor ballasts, solenoids, etc., where the baking temperature of the windings, coils, etc., to which they are attached will not exceed 160°C

Features

- Rugged construction is naturally resistant to varnish dip and bake operations
- Outer surface may also be treated with a release agent to improve performance in varnish and bake operations and to improve dispensing from bulk packages such as drums
- Insulation is highly resistant to melting and has excellent flame resistance

Conductor

- Stranded copper, tinned or bare
- Stranding available in other constructions, as well as in tinned or bare

Insulation

- XLPE

Temperature Rating

- 90°C

Voltage Rating

- 600 Volts

Applications

- For wiring of industrial switchgear, switchboard and control panel wiring
- The excellent physical and electrical properties of the insulation ensure the integrity and long life of the product in the most demanding of installation and use conditions

Features

- Tough, abrasion-resistant insulation
- Excellent electrical properties
- Excellent chemical resistance
- Resists deformation during soldering or crimping for connectorization
- Good heat resistance during short circuit overloads
- Excellent cut-through resistance
- Non-halogenated

UL 150°C Appliance Wire

UL: 3321, Non VW-1

CSA: CL-1503, AWM I A/B, FT-2

Specifications

AWG Size	Number of Strands	Minimum Average Wall (inches)	Nominal OD (inches)
22	7	0.030	0.092
20	10	0.030	0.102
18	16	0.030	0.113
16	26	0.030	0.125
14	41	0.030	0.142
12	65	0.030	0.160
10	105	0.030	0.185
8	133	0.045	0.262
6	133	0.045	0.300

Conductor

- Tinned-coated stranded copper
- Stranding available in other constructions for some AWG sizes

Insulation

- XLPE

Temperature Rating

- 150°C

Voltage Rating

- 600 Volts

Applications

- For use in ranges, water heaters, clothes dryers, rotisseries, cookers, toasters
- Leads for transformers, lighting, ballasts and motors and applications where exposed to gasoline vapors up to 75°C or immersed in gasoline up to 30°C
- Internal wiring of electric heating, gas heating, cooking equipment and hairdressing equipment

Features

- Rugged construction is naturally resistant to varnish dip and bake operations
- Outer surface may also be treated with a release agent to improve performance in varnish and bake operations and to improve dispensing from bulk packages such as drums
- Insulation is highly resistant to melting and has excellent flame resistance

UL 150°C Fixture Wire

UL: 3321, Non VW-1, Type XFF (Flexible Fixture) or Type XF (Fixture)

CSA: AWM I A/B, FT-2; CL-1251 (Type XFF only)

Specifications

UL Style	AWG Size	Number of Strands	Minimum Average Wall (inches)	Nominal OD (inches)
Type XFF	18	16	0.030	0.113
(Flexible Fixture)	16	26	0.030	0.120
Type XF	18	7	0.030	0.108
(Fixture)	16	7	0.030	0.120
	14	7	0.030	0.138

Conductor

- Tin-coated stranded copper

Insulation

- XLPE

Temperature Rating

- 150°C

Voltage Rating

- 600 Volts

Applications

- For general wiring of lighting fixtures or similar equipment as permitted by Article 410 of the National Electrical Code
- Use is limited to 300 Volt or 150°C maximum operating temperature applications

Features

- Rugged construction is naturally resistant to varnish dip and bake operations
- Outer surface may also be treated with a release agent to improve performance in varnish and bake operations and to improve dispensing from bulk packages such as drums
- Insulation is highly resistant to melting and has excellent flame resistance

PRODUCT DATA

Cross-linked PE Insulated Wire

UL: 3193

CSA: CL-1054

Specifications

AWG Size	Number of Strands	Minimum Average Wall (inches)	Nominal OD (inches)
22	7	0.016	0.065
20	10	0.016	0.072
18	16	0.016	0.082
16	26	0.016	0.095

Conductor

- Stranded copper, tinned or bare

Insulation

- XLPE

Temperature Rating

- 105°C

Voltage Rating

- 300 Volts

Applications

- For external wiring of appliances or as ballast leads where exposed to temperatures not exceeding 150°C (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

- Small diameter appliance wires with a tough flame-resistant, cross-linked insulation



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