



APPLIANCE WIRING MATERIAL

Subj.758            Section 1            Page 1164

Issued:1959-05-01  
Revised:2008-05-27

Style 1164            Insulated Wire.

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Rating	150 deg C, 300 Vac, 600 Vdc, Horizontal flame, Oil 80 deg C(optional), Gas Resist(optional)
Conductor	32 AWG - 10 AWG solid or stranded round, silver plated, or nickel coated copper. nickel or nickel chrome alloy resistance conductor.
Insulation	PTFE, TFE, 13 mils min average, 12 mils minimum at any point.
Standard	Appliance Wiring Material UL 758.
Marking	General.
Use	Internal wiring of electronic equipment and appliances. In addition, the tag may also indicate one or more of the following: Suitable for immersion in gasoline; gasoline vapor; 80 deg C in oil or 600 volts peak -- For Electronic Use Only.

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APPLIANCE WIRING MATERIAL

Subj.758            Section 1            Page 1180

Issued:1959-05-01

Revised:2013-11-20

Style 1180            Single conductor with extruded insulation

<b>Rating</b>	200 deg C, 300 Vac, Horizontal flame. Optional - 80 deg C Oil, Gasoline Resistant.
<b>Conductor</b>	32 AWG - 10 AWG, solid or stranded.
<b>Insulation</b>	Extruded PTFE, 13 mils minimum average thickness, 12 mils minimum thickness at any point.
<b>Standard</b>	Appliance Wiring Material UL 758.
<b>Marking</b>	General. The tag may indicate the following: 600 volts peak -- For Electronic Use Only.
<b>Use</b>	Internal Wiring.

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APPLIANCE WIRING MATERIAL

Subj.758            Section 1            Page 1198

Issued:1959-08-06

Revised:2012-03-15

Style 1198            Single conductor with extruded insulation

**Rating**            150 deg C, 600 Vac, Horizontal flame. Optional -  
80 deg C oil, Gasoline Resistance

**Conductor**            30 AWG - 4/0 AWG, solid or stranded.

**Insulation**            Extruded PTFE.

<u>Conductor size</u>	<u>Minimum average thickness</u>	<u>Minimum thickness at any point</u>
30-10 AWG	20 mils	18 mils
8-2 AWG	30 mils	27 mils
1-4/0 AWG	45 mils	40 mils

**Standard**            Appliance Wiring Material UL 758.

**Marking**            General.

**Use**            Internal wiring. Tags may indicate the  
following: 2500 Volts Peak - For Electronic Use  
only

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APPLIANCE WIRING MATERIAL

Subj.758            Section 1            Page 1199

Issued:1959-08-06

Revised:2013-11-20

Style 1199            Single conductor with extruded insulation

**Rating**                    200 deg C, 600 Vac, Horizontal Flame. Optional -  
80 deg C Oil, Gasoline Resistant.

**Conductor**                30 AWG - 4/0 AWG, solid or stranded.

**Insulation**                Extruded PTFE.

<u>Conductor size</u>	<u>Minimum average thickness</u>	<u>Minimum thickness at any point</u>
30-10 AWG	20 mils	18 mils
8-2 AWG	30 mils	27 mils
1-4/0 AWG	45 mils	40 mils

**Standard**                Appliance Wiring Material UL 758.

**Marking**                 General.

**Use**                        Internal wiring of appliances and electronic  
equipment. Tags may indicate the following: 2500  
Volts Peak - For Electronic Use Only.

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APPLIANCE WIRING MATERIAL

Subj.758            Section 1            Page 1212

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Revised:2012-03-09

Style 1212            Single Conductor with Extruded Insulation

<b>Rating</b>	80 deg C, Voltage not specified, Horizontal flame, Oil Resistant 60 deg C.
<b>Conductor</b>	36 AWG - 16 AWG solid or stranded.
<b>Insulation</b>	Extruded PTFE, TFE, 8 mils minimum average thickness, 7 mils minimum thickness at any point.
<b>Standard</b>	Appliance Wiring Material UL 758.
<b>Marking</b>	General.
<b>Use</b>	Internal wiring where not subjected to mechanical abuse.

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APPLIANCE WIRING MATERIAL

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Revised:2012-03-14

Style 1213            Single Conductor with Extruded Insulation

<b>Rating</b>	105 deg C, Voltage not specified, Horizontal flame, 60 deg C Oil.
<b>Conductor</b>	36 AWG - 12 AWG, solid or stranded round.
<b>Insulation</b>	Extruded PTFE, 8 mils minimum average thickness, 7 mils minimum thickness at any point.
<b>Standard</b>	Appliance Wiring Material UL 758.
<b>Marking</b>	General.
<b>Use</b>	Internal wiring where not subjected to mechanical abuse, Oil Resistant 60 deg C.

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APPLIANCE WIRING MATERIAL

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Revised:2014-06-16

Style 1371 Single Conductor with Extruded Insulation

**Rating** 105 deg C, Voltage not specified, Horizontal Flame. Optional - 60 or 80 deg C Oil, Gasoline Resistant.

**Conductor** 36 AWG - 6 AWG, Solid or Stranded.

**Insulation** Extruded PTFE or Extruded FEP.

<u>Conductor size</u>	<u>Minimum average thickness</u>	<u>Minimum thickness at any point</u>
36-20 AWG	5.5 mils	5.0 mils
19-16 AWG	8.0 mils	7.0 mils
15-10 AWG	13 mils	12 mils
9-6 AWG	20 mils	18 mils

**Covering** Optional - Extruded PTFE, Extruded FEP, or Extruded PFA, with one or more layers at 3 mils minimum average thickness.

**Standard** Appliance Wiring Material UL 758.

**Marking** General.

**Use** Internal Wiring, where not subjected to movement or mechanical damage.

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APPLIANCE WIRING MATERIAL

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Revised:2011-09-14

Style 1512            Single Conductor with Extruded Insulation.

<b>Rating</b>	105 deg C, Voltage not specified, Horizontal flame.
<b>Conductor</b>	16 AWG - 14 AWG, stranded, silver plated, or nickel coated copper.
<b>Insulation</b>	Extruded PTFE, 10 mils minimum average thickness, 9 mils minimum thickness at any point.
<b>Standard</b>	Appliance Wiring Material UL 758.
<b>Marking</b>	General.
<b>Use</b>	Internal wiring.

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APPLIANCE WIRING MATERIAL

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Revised:2012-12-28

Style 1538            Single Conductor with extruded insulation

**Rating**                    105 deg C, 125 Vac, Horizontal flame. Optional -  
60 deg C or 80 deg C Oil, Gasoline Resistant.

**Conductor**                36 AWG - 6 AWG, solid or stranded.

**Insulation**                Extruded FEP, PFA or PTFE.

<u>Conductor size</u>	<u>Minimum average thickness</u>	<u>Minimum thickness at any point</u>
36-20 AWG	5.5 mils	5 mils
19-15 AWG	8 mils	7 mils
14-10 AWG	13 mils	12 mils
9-6 AWG	20 mils	18 mils

**Standard**                Appliance Wiring Material UL 758.

**Marking**                General.

**Use**                        In back panel areas of electronic equipment,  
such as electronic computers and business  
machines, where not subjected to movement or  
mechanical damage. Tags may indicate the  
following: "300 peak volts for Electronic use  
only".

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Issued:1972-12-27

Revised:2011-09-22

Style 1577

Single Conductor With Extruded Insulation

<b>Rating</b>	200 deg C, Voltage not specified, Horizontal flame.
<b>Conductor</b>	32 AWG - 16 AWG, solid or stranded.
<b>Insulation</b>	Extruded FEP or extruded PTFE, 12 mils minimum average thickness, 10 mils minimum thickness at any point.
<b>Standard</b>	Appliance Wiring Material UL 758.
<b>Marking</b>	General.
<b>Use</b>	Internal wiring of appliances.

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APPLIANCE WIRING MATERIAL

Subj.758            Section 1            Page 1584

Issued:1973-03-28

Revised:2012-01-19

Style 1584            Single conductor with extruded insulation

**Rating**                    200 deg C, 1000 Vac, Horizontal Flame.

**Conductor**                30 AWG - 4/0 AWG, solid or stranded.

**Insulation**                Extruded PTFE (TFE).

<u>Conductor size</u>	<u>Minimum average thickness</u>	<u>Minimum thickness at any point</u>
30-10 AWG	22 mils	20 mils
9-2 AWG	30 mils	27 mils
1-4/0 AWG	45 mils	40 mils

**Standard**                    Appliance Wiring Material UL 758.

**Marking**                    General.

**Use**                            Internal wiring of electronic equipment.

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APPLIANCE WIRING MATERIAL

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Revised:2012-07-17

Style 1659 Single conductor with extruded insulation.

**Rating** 250 deg C, 600 Vac, Horizontal flame, Oil Res 80 deg C (optional), Gasoline Resist (opt)

**Conductor** 26 AWG - 4/0 AWG solid or stranded round.

**Insulation** PTFE, TFE

<u>conductor size AWG</u>	<u>mils min average</u>	<u>mils min at any point</u>
26-10	20	18
8-2	30	27
1-4/0	45	40

**Covering** (Optional) - Mica tape wrap.

**Braid** (Optional) - Treated glass braid.

**Standard** Appliance Wiring Material UL 758.

**Marking** General.

**Use** Internal wiring.

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APPLIANCE WIRING MATERIAL

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Revised:2012-02-01

Style 1716

Single conductor with extruded insulation.

**Rating** 150 deg C, 150 Vac, Horizontal flame, Oil Res 60 deg C or 80 deg C (opt), Gasoline Resist (opt)

**Conductor** Solid or stranded or Litz cable magnet wire, R/C (OBMW2) magnet wire rated min 150 deg. C. AWG size to be determined by the Resistance Test per UL 1581. In addition, tinned copper may be employed when FEP insulation is used.

**Insulation** FEP or PFA or PTFE, TFE

<u>50-20 AWG</u>	<u>5.5 mils min average</u>	<u>5 mils min at any point</u>
19-15 AWG	8 avg	7 min
14-10 AWG	13 avg	12 min
9-6 AWG	20 avg	18 min

May extrude FEP in two or three layers.

**Assembly** Each single on magnet wire strand is cabled together other magnet wire strands to form a conductor.

**Shield** Optional.

**Covering** Optional, FEP, or PFA, 0.005 in or heavier or PTFE (extruded or tape wrapped) 0.005 in or heavier.

**Standard** Appliance Wiring Material UL 758.

**Marking** General.

**Use** Internal wiring of electronic equipment, such as electronic computers and business machines, where not subjected to movement or mechanical damage. May also be used for further processing in cables and lead wire for UL 1950 applications. Tags may indicate the following:"300 peak Volts for Electronic Use Only"."Suitable for immersion in gasoline;gasoline vapor; and 60 deg. C or 80 deg. C in Oil".

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APPLIANCE WIRING MATERIAL

Subj.758            Section 1            Page 1723

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Revised:2014-06-16

Style 1723            Single Conductor with Extruded Insulation

<b>Rating</b>	200 deg C, Voltage not specified, Horizontal flame.
<b>Conductor</b>	32 AWG - 16 AWG, solid or stranded.
<b>Insulation</b>	Extruded FEP or extruded PTFE, 10 mils minimum average thickness, 9 mils minimum thickness at any point.
<b>Standard</b>	Appliance Wiring Material UL 758.
<b>Marking</b>	General.
<b>Use</b>	In back panel areas of electronic equipment, such as electronic computers and business machines, where not subject to movement or mechanical damage.

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APPLIANCE WIRING MATERIAL

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Revised:2012-06-29

Style 1746

Single Conductor with other than Extruded Insulation.

<b>Rating</b>	200 deg C, 125 Vac, Horizontal flame, Oil Resistant 60 deg C.
<b>Conductor</b>	20 AWG - 16 AWG solid or stranded round, silver plated or nickel coated copper, nickel conductor, silver plated zirconium copper alloy, silver plated cadmium chrome copper alloy, silver plated cadmium bronze copper alloy, or silver plated copper-clad steel.
<b>Insulation</b>	Tape wrapped TFE, 8 mils min average, 6 mils min. at any point.
<b>Standard</b>	Appliance Wiring Material UL 758.
<b>Marking</b>	General.
<b>Use</b>	Internal wiring, where not subjected to movement or mechanical damage.

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APPLIANCE WIRING MATERIAL

Subj.758            Section 1            Page 1815

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Revised:2011-09-19

Style 1815            Single conductor with extruded insulation

**Rating**                    250 deg C, 300 Vac, Horizontal flame.

**Conductor**                32 AWG - 10 AWG solid or stranded.

**Insulation**                Extruded PTFE, 13 mils min average, 12 mils minimum at any point.

**Covering**                 Optional. Non-extruded Mica tape wrap or extruded PFA. 5 mil min at any point.

**Braid**                     Optional. Treated glass braid.

**Standard**                 Appliance Wiring Material UL 758.

**Marking**                 General.

**Use**                        Internal wiring of electronic equipment and appliances

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