Subj.758 Section 1 Page 1164



Style 1164 Insulated Wire.

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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Subj.758 Section 1 Page 1180 Issued:1959-05-01 Revised:2013-11-20 Style 1180 Single conductor with extruded insulation 200 deg C, 300 Vac, Horizontal flame. Optional -Rating 80 deg C Oil, Gasoline Resistant. Conductor 32 AWG - 10 AWG, solid or stranded. Extruded PTFE, 13 mils minimum average Insulation thickness, 12 mils minimum thickness at any point. Standard Appliance Wiring Material UL 758. General. The tag may indicate the following: 600 Marking volts peak -- For Electronic Use Only. Use Internal Wiring.

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APPLIANCE WIR	ING MATERIAL		
Subj.758	Section 1 F	2age 1198	Issued:1959-08-06 Revised:2012-03-15
Style 1198	Single conduc	ctor with extrud	led insulation
Rating	150 deg C 80 deg C	C, 600 Vac, Hori oil, Gasoline R	zontal flame. Optional - esistance
Conductor	30 AWG -	4/0 AWG, solid	or stranded.
Insulation	n Extruded	PTFE.	
	<u>Conductor</u> <u>size</u> 30-10 AWG 8-2 AWG 1-4/0 AWG	<u>Minimum average</u> <u>thickness</u> 20 mils 30 mils 45 mils	<u>Minimum thickness at any</u> <u>point</u> 18 mils 27 mils 40 mils
Standard	Appliance	e Wiring Materia	l UL 758.
Marking	General.		
Use	Internal following only	wiring. Tags ma g: 2500 Volts Pe	y indicate the ak - For Electronic Use
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APPLIANCE WIRI	NG MATERIAL				
Subj.758	Section 1 P	age 1199	Issued:1959-08-06 Revised:2013-11-20		
Style 1199	Single conduc	tor with extrud	ed insulation		
Rating	200 deg C 80 deg C	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</u> <u>size</u> 30-10 AWG 8-2 AWG 1-4/0 AWG	<u>Minimum average</u> <u>thickness</u> 20 mils 30 mils 45 mils	<u>Minimum thickness at any</u> <u>point</u> 18 mils 27 mils 40 mils		
Standard	Appliance	Wiring Materia	l UL 758.		
Marking	General.				
Internal wiring of appliances and electron Use equipment. Tags may indicate the following Volts Peak - For Electronic Use Only.			ances and electronic cate the following: 2500 nic Use Only.		
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Subj.758 Section 1 Page 1212 Issued:1960-02-10 Revised:2012-03-09 Style 1212 Single Conductor with Extruded Insulation 80 deg C, Voltage not specified, Horizontal Rating flame, Oil Resistant 60 deg C. Conductor 36 AWG - 16 AWG solid or stranded. Extruded PTFE, TFE, 8 mils minimum average Insulation thickness, 7 mils minimum thickness at any point. Standard Appliance Wiring Material UL 758. Marking General. Internal wiring where not subjected to Use mechanical abuse. UL and the UL Logo are trademarks of UL LLC \odot 2018

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Subj.758 Section 1 Page 1213 Issued:1960-02-10 Revised:2012-03-14 Style 1213 Single Conductor with Extruded Insulation 105 deg C, Voltage not specified, Horizontal Rating flame, 60 deg C Oil. Conductor 36 AWG - 12 AWG, solid or stranded round. Extruded PTFE, 8 mils minimum average thickness, Insulation 7 mils minimum thickness at any point. Standard Appliance Wiring Material UL 758. Marking General. Internal wiring where not subjected to Use mechanical abuse, Oil Resistant 60 deg C.

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	Subj.758	Section 1	Page 1371	
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Issued:1964-12-24 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</u> <u>size</u>	<u>Minimum average</u> <u>thickness</u>	<u>Minimum thi</u> p	<u>.ckness at any</u> oint
	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
	Optional - E	xtruded PTFE,	Extruded FE	P, or
Covering	Extruded PFA	, with one or	more layers	at 3 mils
	minimum aver	age thickness.		
Standard	Appliance Wi	ring Material	UL 758.	
Marking	General.			
Use	Internal Wir or mechanica	ing, where not l damage.	subjected	to movement

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ALLDIANCE WIR.	ING MAIBRIAD					
Subj.758	Section 1	Page 1512	Issued:1971-03-18 Revised:2011-09-14			
Style 1512	Single Con	nductor with Extru	ded Insulation.			
Rating	105 de flame.	eg C, Voltage not	specified, Horizontal			
Conductor	16 AWG nickel	16 AWG - 14 AWG, stranded, silver plated, or nickel coated copper.				
Insulatior	Extrud thickn point.	Extruded PTFE, 10 mils minimum average thickness, 9 mils minimum thickness at any point.				
Standard	Applia	ance Wiring Materi	al UL 758.			
Marking	Genera	al.				
Use	Intern	al wiring.				
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Subj.758 Section 1 Page 1538 Issued:1971-11-15 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</u>	<u>Minimum average</u>	Minimum thickness at any
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.

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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Subj.758 Section 1 Page 1577 Issued:1972-12-27 Revised:2011-09-22 Style 1577 Single Conductor With Extruded Insulation 200 deg C, Voltage not specified, Horizontal Rating flame. Conductor 32 AWG - 16 AWG, solid or stranded. Extruded FEP or extruded PTFE, 12 mils minimum Insulation average thickness, 10 mils minimum thickness at any point. Standard Appliance Wiring Material UL 758. Marking General. Use Internal wiring of appliances.

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-	-				
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</u>	<u>Minimum average</u>	<u>Minimum thickness at any</u>
size	<u>thickness</u>	point
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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Subj.758	Section 1	Page 16	59	Issued:1975-0	6-13
Style 1659	Single cond	ductor wi	th extruded	d insulation.	/-1/
Rating	250 deg deg C (C, 600 Coptional	Vac, Horizc), Gasoline	ontal flame, Oil e Resist (opt)	Res 80
Conductor	26 AWG	- 4/0 AW	G solid or	stranded round.	
Insulation	a PTFE, I	'FE			
	conducto 2 1	or size AWG 6-10 8-2 -4/0	<u>mils min ave</u> 20 30 45	<u>erage mils min at a</u> 18 27 40	<u>ny point</u> .
Covering	(Option	al) - Mio	ca tape wra	ıp.	
Braid	(Option	al) - Tre	eated glass	braid.	
Standard	Applian	ice Wirind	g Material	UL 758.	
Marking	General				
Use	Interna	ıl wiring			
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Subj.758 Section 1 Page 1716

Issued:1977-05-25 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)

Solid or stranded or Litz cable magnet wire, R/C(OBMW2) magnet wire rated min 150 deg. C. AWGConductorSize 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 1	lavers.

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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Subj.758

Style 1723



Section 1 Page 1723 Issued:1977-07-13 Revised:2014-06-16 Single Conductor with Extruded Insulation

Rating 200 deg C, Voltage not specified, Horizontal flame.

Conductor 32 AWG - 16 AWG, solid or stranded.

Insulation Extruded FEP or extruded PTFE, 10 mils minimum average thickness, 9 mils minimum thickness at any point.

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 subject to movement or mechanical damage.

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Subj.758 Section 1 Page 1746

Issued:1978-03-22 Revised:2012-06-29

Style 1746 Single Conductor with other than Extruded Insulation.

Rating 200 deg C, 125 Vac, Horizontal flame, Oil Resistant 60 deg C.

- Conductor 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.
- **Insulation** Tape wrapped TFE, 8 mils min average, 6 mils min. at any point.
- **Standard** Appliance Wiring Material UL 758.
- Marking General.
- Use Internal wiring, where not subjected to movement or mechanical damage.

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APPLIANCE WIR	ING MATERIAL					
Subj.758	Section 1	Page 1815	Issued:1980-02-08 Revised:2011-09-19			
Style 1815	Single con	nductor with ext	ruded insulation			
Rating	250 de	eg C, 300 Vac, H	orizontal flame.			
Conductor	32 AWG	32 AWG - 10 AWG solid or stranded.				
Insulation	n Extruc minimu	Extruded PTFE, 13 mils min average, 12 mils minimum at any point.				
Covering	Optior extruc	Optional. Non-extruded Mica tape wrap or extruded PFA. 5 mil min at any point.				
Braid	Optior	Optional. Treated glass braid.				
Standard	Applia	Appliance Wiring Material UL 758.				
Marking	Genera	al.				
Use	Interr applia	nal wiring of el ances	ectronic equipment and			
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