Subj.758 Section 5 Page 5294



Issued:1988-09-29 Revised:2012-03-08

- Style 5294 Single conductor with other-than-extruded insulation
 - Rating 350 deg C, 300 Vac, Horizontal flame.
 - **Conductor** 24 AWG 10 AWG solid or stranded round.
 - InsulationMica Tape, 6 mils minimum average thickness;InsulationTreated Glass Fiber Wrap, 12 mils minimum
average thickness
 - **Covering** Treated Glass Braid.
 - **Standard** Appliance Wiring Material UL 758.
 - Marking General
 - Use Internal wiring of appliances where totally enclosed and not subject to servicing.

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Consigliato da:





Subj.758



Issued:1988-02-03 Revised:2012-04-16

Style 5285 Single conductor with other-than-extruded insulation.

Section 5 Page 5285

- Rating 350 deg C, 300 Vac, Horizontal flame.
- Conductor 24 AWG 10 AWG solid or stranded.
- Insulation Composite insulation of Varnish impregnated glass-fiber, 45 mils min average, 40 mils minimum at any point.
- **Standard** Appliance Wiring Material UL 758.
- Marking General.
- Use Internal wiring of appliances where not subjected to flexing or movement after installation and protected from mechanical abuse.

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APPLIANCE WIR	ING MATERIAL		
Subj.758	Section 5	Page 5304	Issued:1989-08-18 Revised:2012-04-25
Style 5304	Single con insulation		er-than-extruded
Rating	350 de	g C, 600 Vac, Ho	orizontal flame.
Conductor	24 AWG	- 10 AWG, solid	d or stranded.
Insulation	n Mica g	lass tape, 6 mil	ls minimum thickness.
Covering	Treated thickne	-	20 mils minimum average
Standard	Applia	nce Wiring Mate	rial UL 758.
Marking	Genera	1.	
Use		al wiring where t to servicing.	totally enclosed and not

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Subj.758 Section 5 Page 5168

Issued:1978-07-17 Revised:2011-11-21

Style 5168 Single conductor with other-than-extruded insulation

Rating 450 deg C, 300 Vac, Horizontal flame.

- Conductor 24 AWG 4/0 AWG, solid or stranded in sizes 24 - 8 AWG, larger sizes stranded only.
- **Insulation** FIBERGLASS or MICA, 17 mils min average, 15 mils minimum at any point.

Braid For conductor 24-12 AWG, 5 mils min avg of inner glass braid, 5 mils min avg of mica tapes and 7 mils min avg of outer glass braid; 11-4 AWG, 10 mils avg, 10 mils avg and 15 mils avg as described; 3-4/0 AWG, 10 mils avg, 13 mils avg and 20 mils avg as described.

Standard Appliance Wiring Material UL 758.

Marking General.

Use Internal Wiring of similar high-temperature equipment where not subjected to repeated flexing and protected from mechanical abuse. (The acceptability, including current-carrying capacity, has been determined by Underwriters Laboratories Inc.)

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APPLIANCE WIRI	NG MATE	RIAL				
Subj.758 Section		5 Pag	ge 5334		Issued:1993-09- Revised:2012-04-	
Style 5334	-	e conduct ation.	or with	other-tha	an-extruded	
Rating	45	50 deg C,	300 Va	c, Horizor	ntal flame.	
Conductor	24	1 AWG - 4	AWG, so	olid or st	cranded.	
Insulation Braid	and No	Non-extruded Mica with Glass Braid.				
			wall of		<u>n Avg thickness of</u>	
		-	lte Mica ass	Glass Braid '	Ireated with Silicone or TFE Finish	Varnish
		AWG (mi	lls)		(mils)	
		-	17		5	
	1	1-4 2	20		10	
Shield	-				alloy 304, appli ass braid.	led as
Standard	Aŗ	Appliance Wiring Material UL 758.				
Marking	Ge	eneral.				
Use	ec ar Ca	Wiring of ovens or similar high-temperature equipment where protected from mechanical abuse and where the acceptability, including current- carrying capacity, has been determined by Underwriters Laboratories Inc.				
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Consigliato da:





Subj.758



Issued:1973-11-05 Revised:2014-05-13

Style 5128 Single or Multiple conductor with other-thanextruded insulation..

Section 5 Page 5128

- Rating 450 deg C, 300 Vac, Horizontal flame.
- **Conductor** 24 AWG 4 AWG, solid or stranded.
- Insulation Non-extruded Mica tape (see below), or Mica composite (see facing page).

Conductor	<u>Min Avg. wall</u> <u>of Mica tape</u>	<u>Min Avg. thickness of Glass braid</u> treated with Silicone Varnish or TFE		
<u>AWG size</u>	(mils)	<u>Finish (mils)</u>		
24 - 12	15	7		
11 - 4	20	15		

- Shield Optional. Stainless steel, alloy 304, applied as a braid over the treated glass braid.
- Optional, two or more conductors described
above, may be cabled together with a max O.D. ofAssembly1.500 inches. A Mica glass binder and/or
fiberglass fillers may be employed. The assembly
may have an overall treated glass braid.
- **Standard** Appliance Wiring Material UL 758.
- Marking General.

Use Internal Wiring of high-temperature equipment where not subjected to repeated flexing and protected from mechanical abuse. (The acceptability, including current-carrying capacity, has been determined by Underwriters Laboratories Inc.).

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Subj.758 Section 5 Page 5335

Issued:1993-09-14 Revised:2012-04-09

- Style 5335 Single or multiple conductor with non-extruded insulation
 - Rating 450 deg C, 600 Vac, Horizontal flame.
 - Conductor 22 AWG 4/0 AWG. Solid or stranded in sizes 22-8 AWG; larger sizes stranded only.

Insulation Mica with Glass Braid

Material	<u>Conductor</u> <u>size</u>	<u>Minimum average</u> <u>thickness</u>
Mica	22-12 AWG	23 mils
Mica	11-4 AWG	27 mils
Mica	2-4/0 AWG	32 mils
Glass braid treated with silicone varnish or TFE finish	22-12 AWG	5 mils
Glass braid treated with silicone varnish or TFE finish	11-4 AWG	10 mils
Glass braid treated with silicone varnish or TFE finish	3-4/0 AWG	15 mils

Optional. Two or more conductors described above, may be cabled together with a max O.D. of 1.500 inches. A mica glass binder and/or fiberglass fillers may be employed. The assembly has an overall treated glass braid.

(Optional) Nos. 36-30 AWG Type "A" Nickel or 27% minimum nickel coated copper or nickel-chromiumiron or stainless steel, 304.

Standard Appliance Wiring Material UL 758.

Marking General.

Use Internal Wiring where protected from mechanical abuse.

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Subj.758 Section 5 Page 5107

Issued:1972-02-03 Revised:2014-05-20

Style 5107 Singke or Multiple conductor with other-thanextruded insulation

Rating 200 or 450 deg C, 600 Vac, Horizontal flame.

Conductor 26 AWG - 550 kcmil. Solid or stranded for sizes 26 - 8 AWG; Stranded only for larger sizes than 8 AWG.

Insulation Mica tape with braid, or Mica composite (see Facing Page) with braid.

<u>Conductor</u> <u>size</u>	<u>Min average</u> <u>thickness of</u> <u>Mica tape</u>	<u>Min average thickness of Glass Braid</u> <u>Treated with Silicone Varnish or TFE</u> <u>Finish</u>
26 - 12 AWG	25 mils	7 mils
11 - 4 AWG	30 mils	15 mils
3 - 4/0 AWG	35 mils	20 mils
250 - 550 kcmil	40 mils	20 mils

Assembly Optional, two or more insulated conductors, may be cabled together with a max O.D. of 1.500 inches. A mica glass binder and/or fiberglass fillers may be employed.

Shield Optional, 36 - 30 AWG strands.

Covering Optional, over assembly, treated glass braid.

Standard Appliance Wiring Material UL 758.

Marking General.

Use Internal Wiring of high-temperature equipment where not subjected to repeated flexing and protected from mechanical abuse, and where the acceptability, including current-carrying capacity, has been determined by Underwriters Laboratories Inc.

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Subj.758 Section 5 Page 5138

Issued:1987-09-17 Revised:2012-04-24

- Style 5138 Single conductor with other-than-extruded insulation.
 - **Rating** 450 deg C, 600 Vac.
 - Conductor 18 AWG 2 AWG, stranded, Type A, 27 percent minimum nickel coated copper.

Insulation Fiber and mica.

<u>Conductor</u> <u>size</u>	<u>Glass fiber</u> <u>tape</u>	<u>Mica</u>	<u>Glass fiber</u> <u>tape</u>	<u>Glass</u> braid
18 - 10 AWG	-	27 mils	15 mils	20 mils
8 - 2 AWG	15 mils	27 mils	20 mils	20 mils

Standard Appliance Wiring Material UL 758.

Marking General.

Use Internal wiring of similar high-temperature equipment where not subjected to repeated flexing and protected from mechanical abuse. (The acceptability, including current-carrying capacity, has been determined by Underwriters Laboratories Inc.)

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