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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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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| | | | | | (U |) |
|---------------------|----------------|--|-----------------|---------------|--|---------|
| 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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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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SEVI KABEL



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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