

SRML/SF-2 200°C 600V Apparatus & Motor Lead Wire



APPLICATION:

SRML/SF-2 Apparatus & Motor Lead Wire is for use in lighting fixtures; high wattage units such as sun lamps and therapeutic devices; control and power circuits, when high temperatures and abrasive environments are present. It is suitable for use in applications -60°C up to 200°C and 600 volts.

CONDUCTORS:

- Stranded soft drawn tinned coated copper conductor per ASTM B-33 and B-8

INSULATION:

- Extruded silicone rubber insulation suitable for UV, ozone, and moisture exposure
- Silicone rubber in extreme environments, exceeding 200°C, leaves a non-conductive ash and retains excellent insulation properties

JACKET:

- Braided fiberglass with a high temperature finish impregnated with a moisture, heat and flame resistant compound

COLOR CODE:

- Available in colors or striped combinations

STANDARDS:

- UL 3231 (8-4/0 AWG) UL 3410 (SRML-K) (250-500 MCM)
- UL SFF-2 (18-14 AWG)
- CSA SEW-2 FT1
- CSA AWM Styles 3231 & 3071 (18-14 AWG)
- VW-1 flame Test
- IEEE 383 vertical flame test

| Part Number | Conductor Size | No. of Strands | Insulation Thickness | | Fiberglass Braid Thickness | | Overall Diameter | | Min. Bend Radius | Net Weight |
|-------------------|----------------|----------------|----------------------|------|----------------------------|------|------------------|-------|------------------|------------|
| | AWG | | inches | mm | inches | mm | inches | mm | inches | lbs/mft |
| SF-2 200°C | | | | | | | | | | |
| 18-01SF-2 | 18 | 7 | 0.031 | 0.79 | 0.006 | 0.15 | 0.122 | 3.10 | 0.98 | 11 |
| 16-01SF-2 | 16 | 7 | 0.031 | 0.79 | 0.006 | 0.15 | 0.133 | 3.38 | 1.06 | 14 |
| 14-01SF-2 | 14 | 7 | 0.031 | 0.79 | 0.006 | 0.15 | 0.144 | 3.66 | 1.15 | 19 |
| 12-01SF2 | 12 | 19 | 0.030 | 0.76 | 0.006 | 0.15 | 0.162 | 4.11 | 1.28 | 32 |
| 10-01SF2 | 10 | 19 | 0.045 | 1.14 | 0.006 | 0.15 | 0.217 | 5.51 | 1.71 | 52 |
| SRML 200°C | | | | | | | | | | |
| 4-01SRML | 4 | 133 | 0.062 | 1.57 | 0.009 | 0.23 | 0.395 | 10.03 | 3.16 | 170 |
| 2-01SRML | 2 | 259 | 0.062 | 1.57 | 0.009 | 0.23 | 0.462 | 11.73 | 3.70 | 249 |
| 1-01SRML | 1 | 259 | 0.080 | 2.03 | 0.010 | 0.25 | 0.533 | 13.54 | 4.26 | 318 |
| 1/0-01SRML | 1/0 | 259 | 0.080 | 2.03 | 0.010 | 0.25 | 0.588 | 14.94 | 4.70 | 400 |
| 2/0-01SRML | 2/0 | 259 | 0.080 | 2.03 | 0.010 | 0.25 | 0.634 | 16.10 | 5.07 | 489 |
| 3/0-01SRML | 3/0 | 259 | 0.080 | 2.03 | 0.012 | 0.30 | 0.683 | 17.35 | 5.46 | 600 |
| 4/0-01SRML | 4/0 | 259 | 0.080 | 2.03 | 0.012 | 0.30 | 0.743 | 18.87 | 5.94 | 740 |
| 250-01SRML | 250 | 427 | 0.095 | 2.41 | 0.015 | 0.38 | 0.887 | 22.53 | -- | 953 |
| 350-01SRML | 350 | 427 | 0.095 | 2.41 | 0.015 | 0.38 | 1.002 | 25.45 | -- | 1295 |
| 500-01SRML | 500 | 427 | 0.095 | 2.41 | 0.015 | 0.38 | 1.165 | 29.59 | -- | 1803 |

All values are nominal and subject to correction



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