Silicon Fusion Tape 608036-[ ]

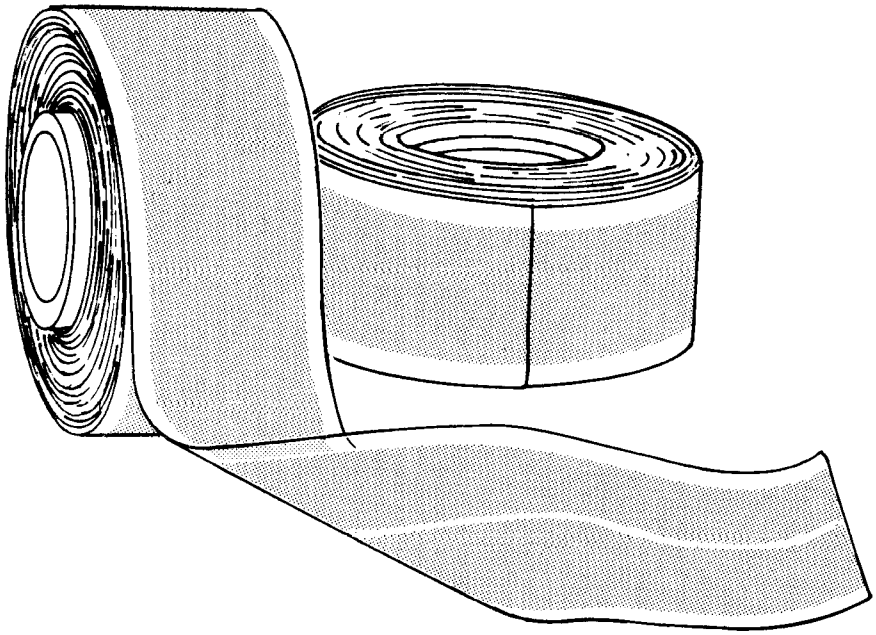

Figure 1

1. INTRODUCTION

This Instruction Sheet covers the application of Silicone Fusion Tape 608036-[ ]. Details concerning product benefits and features, and technical data are available online or through the TE Connectivity Product Information Center number listed at the bottom of this page.

Read these instructions thoroughly before using the tape.

Reasons for revision can be found in Section 5, REVISION SUMMARY.

2. DESCRIPTION (Figure 1)

Silicone fusion tape is extruded from high performance silicone rubber and is self-adhering, self-fusing to eliminate special treatments. It cures into a solid rubber insulator at room temperature in 24 hours or less and forms an inseparable barrier that resists moisture penetration at temperatures up to 260°C (500°F). The high thermal conductivity of the tape allows for rapid heat dissipation for lower temperature rise in all types of electrical connections. The tape meets or exceeds the requirements of MIL CID-A-A-59163, Type I.

1. Clean area to be insulated by removing any oil, grease, grime, or dirt. Dirt beneath the tape increases the risk of tearing the tape during application. TE recommends an electrical component or cable cleaner.

NOTE

When wrapping fusion tape, work with the entire roll unless you know exact length of tape needed. It is better to use more tape than to use too little. Also, the release liner should be removed while applying the tape. This will keep the tape clean and prevent premature and accidental adhesion of the tape to itself.

2. Wrap tape once around insulated area; then again, overlapping the tape onto itself, using minimal stretch. The tape will stick only to itself. See Figure 2.

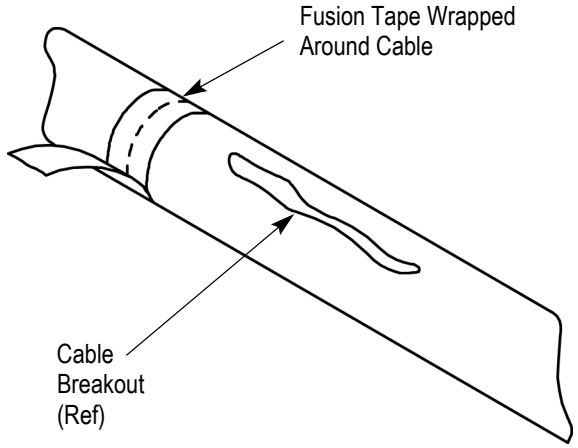

Figure 2

3. Stretch tape approximately 3/4 its normal width. Overlap each layer of tape by matching the edge of the tape with the center guideline of the previous layer. Continue this “half-lap” wrapping procedure until you reach the end of the insulated area. See Figure 3.

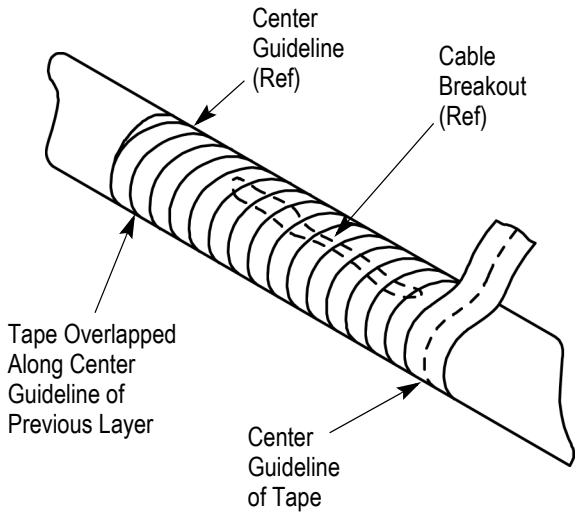

Figure 3

4. Stretch tape approximately 2/3 its normal width; then wrap it completely around the end of the insulated area. The tape must be wrapped onto itself to seal the end of the insulation and to ensure a tight adhesion at the end of the tape. See Figure 4.

NOTE

When working with two, three, or more cable breakouts, fill the “crotch” areas first; then follow the “half-lap” wrapping procedure down each leg and trunk of the cable or harness.

NOTE

To accelerate the curing process, heat from a conventional hot air gun or oven may be applied up to 175°C (350°F) for ten minutes.

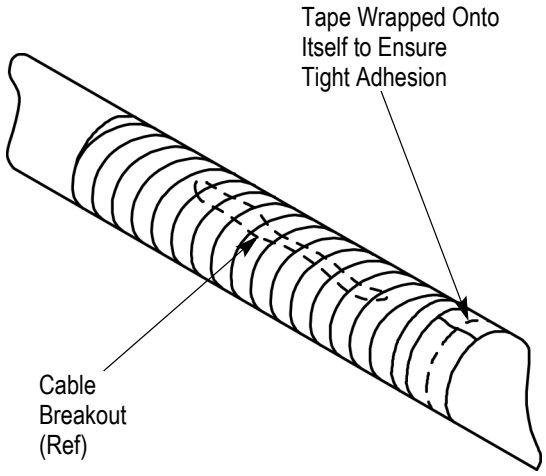

Figure 4

3. ORDERING INFORMATION

Silicone Fusion Tape can be ordered through your local TE representative. When ordering, be sure to identify tape by both description and part number. Refer to Catalog 124132.

4. REVISION SUMMARY

Since the previous revision of this document, the following has changed:

- Updated document to corporate requirements
- Removed obsolete part numbers
- Updated MIL Standard and TE Catalog references