

This military standard is approved for use by 111 Departments and Agencies of the
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NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general infomation only.
3. Material: Acetal Co-polymer.
4. For design feature purposes, this standard takes precedence over acquisition documents referenced herein.
5. Referenced Government documents of the issue listed in that issue of the Department of Defense Index of Specifications and Standards (DoDISS) specified in the solicitation form a part of this standard to the extent specified herein.
6. Tips must be capable of being separated from center section.
7. Each tool shall be permanently marked with the assembly part number. Vendor markings are permissible. Insertion tip to be color indicated in the color chart; removal tip to be white.
8. Design for slot optional. Slot design must allow easy entry of all applicable wire sizes.
9. Circumferential dimension. Part requirement: tip of tool must be capable of accepting a pin of "A" max diameter after being inserted into ${ }^{2}{ }^{-R^{n}}$ diameter hole.
10. Circumferential dimension. Part requirement: tip of tool must be capable of accepting a pin of " $A$ " max diameter after being inserted in to a "C" diameter hole
11. " $N$ " max slit is measured with tip of tool in "R" diameter hole.
12. " $p$ " max slit is measured with tip of tool in "C" diameter hole.
13. Tips must be smooth and free from burns and sharp edges.
14. Tools are used to insert and remove contacts from connectors conforming to the following. Wire acceptance ranges are given for information only.

| Applicable Military Specification | $\begin{aligned} & \text { Contact } \\ & \text { size } \end{aligned}$ | Wire size (00) |
| :---: | :---: | :---: |
| MIL-C-005015 (NAVY) | 16 | . $053-.103$ |
| MS-3450's | 12 | . 085 - . 158 |
| MIL-C-24308 | 22D | . 054 max |
| MIL-C-0026482 (NAVY) | 20 | . $040-.083$ |
| Series 2 | 16 | . 053 - . 103 |
|  | 12 | . 099 - . 158 |
| MIL-C-38999 | 220 | . $030-.060$ |
|  | 20 | . 040 - . 083 |
|  | 16 | . 065 - . 109 |
|  | 12 | . 097 - . 142 |
| MIL-STD-1549 Components ${ }^{\text {a }}$ |  |  |
| using MIL-C-39029/22 contacts | 20 | . 040 -. 083 |
|  | 16 | . 065 - . 109 |
|  | 12 | . 097 - . 142 |
| MIL-C-0081511 (NAVY) | 22 | . $030-.054$ |
| MIL-C-81703 (NAVY) | 20 | . 040 - . 083 |
| Series 2 | 16 | . 053 - . 103 |
|  | 12 | . 099 - . 158 |
| MIL-C-83723 | 20 | . $040-.083$ |
|  | 16 | . 053 - . 103 |
|  | 12 | . 097 -. 158 |
| MIL-C-83733 (USAF) | 220 | . $030-.060$ |
|  | 20 | . 040 - . 083 |
|  | 16 | . 063 - . 103 |
|  | 12 | . 081 - . 158 |

15. D diameter represents tool tip I.D. in free state.
