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| **MIL-C-55021 | NEMA WC 55021** |

The MIL-C-55021C covers electrical cables consisting of unshielded and unjacketed, shielded, jacketed, or shielded ad jacketed twisted pairs and triples, and shielded or shielded and jacketed singles. The cable is intended for internal wiring of electrical equipment for applications of -40°C to +105°C (M55021/1) and -65°C to +200°C (M55021/2). Cable constructed with PVC insulation or jackets are not to be used in aerospace applications.

**Cable Designation**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Wire Type** | **Conductor Size** | **Conductor Material** | **Color of 1st Wire** | **Color of 2nd Wire** | **Color of 3rd Wire** | **Covering Over Components** |
| **E** | **24** | **C** | **901** | **902** | **9** | **STW** |
| (Section 1) | (Section 2) | (Section 3) | (Section 4) | (Section 4) | (Section 4) | (Section 5) |

**Section 1: Wire Type**

|  |  |  |  |
| --- | --- | --- | --- |
| **Letter** | **Wire Specification** | **Letter** | **Wire Specification** |
| B | M16878/1 | EE | NEMA HP3 (M16878/5) |
| C | M16878/2 | BJ | M16878/17 |
| D | M16878/3 | CJ | M16878/18 |
| E | NEMA HP3 (M16878/4) | DJ | M16878/19 |

**Section 2: Conductor Size and Stranding**

|  |  |
| --- | --- |
| **Conductor Size** | **Stranding** |
| 26 AWG - 30 AWG | 7 Strands |
| 12 AWG - 24 AWG | 19 Strands |
| 10 AWG | 37 Strands |

**Section 3: Conductor Material**

|  |  |
| --- | --- |
| **Conductor Code** | **Conductor Type** |
| C | Annealed Copper |
| S | Copper Clad Steel |
| H | High Strength Copper Alloy |