

LGM27500 Cables

Construction Characteristics

All MIL-DTL-27500 cables are designated by a seven digit code that indicates the exact construction of each cable.

L G M 2 7 5 0 0 2 4 S P 1 S 2 3
1 2 3 4 5 6

- 1. Military Specification** : M27500 is used to designate Mil-DTL-27500
- 2. Conductor Size** : This position identifies the wire AWG. LS Cable can manufacture cables utilizing wire AWG's of 30-2/0, depending on Basic Wire Specification.
- 3. Basic Wire Specification** : The component wires are identified by a two letter code. Cables utilizing LS Cable's components are detailed in **Table A**.
- 4. Number of Conductors** : M27500 currently specifies from 1 to 15 conductors for shielded and jacketed cables, and from 2 to 15 for unshielded unjacketed or unshielded jacketed cables.
- 5. Shield** : The specific shield style and material are designated by a single letter code. Detailed in **Table B**.
- 6. Jacket** : Cable jacketing materials are specified with two digit code. Detailed in **Table C**.

Table A : Letter Code Base Description

| Base Specification | Material Available | Description | Wire AWG |
|--------------------|--------------------|---|----------|
| SB | MIL-W-22759 / 32 | Single Insulation, Tin Coated Cooper | 30-12 |
| SC | MIL-W-22759 / 33 | Single Insulation, Silver Coated High Strength Copper Alloy | 30-20 |
| SD | MIL-W-22759 / 34 | Dual Insulation, Tin Coated Cooper | 24-2/0 |
| SE | MIL-W-22759 / 35 | Dual Insulation, Silver Coated High Strength Copper Alloy | 26-20 |
| SM | MIL-W-22759 / 41 | Dual Insulation, Nickel Coated Copper | 26-2/0 |
| SN | MIL-W-22759 / 42 | Dual Insulation, Nickel Coated High Strength Copper Alloy | 26-20 |
| SP | MIL-W-22759 / 43 | Dual Insulation, Silver Coated Cooper | 26-2/0 |
| SR | MIL-W-22759 / 44 | Single Insulation, Silver Coated Cooper | 28-12 |
| SS | MIL-W-22759 / 45 | Single Insulation, Nickel Coated Cooper | 28-12 |
| ST | MIL-W-22759 / 46 | Single Insulation, Nickel Coated High Strength Copper Alloy | 28-20 |
| WB | MIL-W-22759 / 80 | Composite Insulation (Light weight), Tin Coated Copper | 26-14 |
| WC | MIL-W-22759 / 81 | Composite Insulation (Light weight), Silver Coated High Strength or Ultra High Strength Copper Alloy | 26-20 |
| WE | MIL-W-22759 / 82 | Composite Insulation (Light weight), Nickel Coated High Strength or Ultra High Strength Copper Alloy | 26-20 |
| WJ | MIL-W-22759 / 86 | Composite Insulation (Normal weight), Silver Coated Copper | 26-14 |
| WK | MIL-W-22759 / 87 | Composite Insulation (Normal weight), Nickel Coated Copper | 26-14 |
| W | MIL-W-22759 / 88 | Composite Insulation (Normal weight), Tin Coated Copper | 26-14 |
| WM | MIL-W-22759 / 89 | Composite Insulation (Normal weight), Silver Coated High Strength or Ultra High Strength Copper Alloy | 26-20 |
| WN | MIL-W-22759 / 90 | Composite Insulation (Normal weight), Nickel Coated High Strength or Ultra High Strength Copper Alloy | 26-20 |
| WP | MIL-W-22759 / 91 | Composite Insulation (Light weight), Silver Coated Copper | 26-14 |
| WR | MIL-W-22759 / 92 | Composite Insulation (Light weight), Nickel Coated Copper | 26-14 |