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| **M27500 Part Information** |
| |  |  |  | | --- | --- | --- | |  | Part Number Construction | | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | *Typical Part Number* | | | | | | | | M27500 | - | 22 | SD | 3 | T | 23 | | **1** | **2** | **3** | **4** | **5** | **6** | **7** | | | | |  | **1** | Specification Number | |  | **2** | [*Table 1*:  Identification method and shield coverage](#table1) | |  | **3** | Conductor Size | |  | **4** | [*Table 2*: Basic wire specifications](#table2) | |  | **5** | Number of conductors | |  | **6** | [*Table 3*:  Shield style](#table3) | |  | **7** | [*Table 4*:  Jacket style](#table4) | |

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| |  |  |  | | --- | --- | --- | |  | **Table 1: Identification Method** | | |  | ***When an unshielded cable, or a cable with a minimum shield coverage of 85% is required, specify:*** | | |  | **Code** | **Description** | |  | **-** | Standard Stripes with 85% Shield | |  | **F** | Special Stripes with 85% Shield | |  | **A** | Standard Solids with 85% Shield | |  | **G** | Special Solids with 85% Shield | |  | **B** | Band Marking with 85% Shield | |  | **K** | Printed Numbers with 85% Shield | |  | **L** | Printed Numbers with 85% Shield | |  | **P** | Band Marking and Stripes with 85% Shield | |  | **S** | Color Bands with 85% Shield | |  | **U** | Custom Color per Customer with 85% Shield | |  |  |  | |  | ***When a minimum shield coverage of 90% is required, specify:*** | | |  | **C** | Standard Stripes with 90% Shield | |  | **H** | Special Stripes with 90% Shield | |  | **D** | Standard Solids with 90% Shield | |  | **J** | Special Solids with 90% Shield | |  | **E** | Band Marking with 90% Shield | |  | **M** | Printed Numbers with 90% Shield | |  | **N** | Printed Numbers with 90% Shield | |  | **R** | Band Marking and Stripes with 90% Shield | |  | **T** | Color Bands with 90% Shield | |  | **V** | Customer Color per Customer with 90% Shield | |  |  |  | |

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| |  |  | | --- | --- | |  | **Table 2: Basic Wire Description** | |  | |  |  | | --- | --- | | **CA** | M22759/13 | | **CB** | M22759/14 | | **CC** | M22759/15 | | **E** | M22759/2 | | **EA** | M22759/1 | | **JA** | M25038/1 | | **JB** | M22759/28 | | **JC** | M22759/29 | | **JD** | M22759/30 | | **JE** | M22759/31 | | **JF** | M25038/3 | | **LE** | M22759/9 | | **LH** | M22759/10 | | **ME** | M81044/6 | | **MH** | M81044/9 | | **MJ** | M81044/10 | | **ML** | M81044/12 | | **MM** | M81044/13 | | **MR** | M81381/7 | | **MS** | M81381/8 | | **MT** | M81381/9 | | **MV** | M81381/10 | | **MW** | M81381/11 | | **MY** | M81381/12 | | **NA** | M81381/13 | | **NB** | M81381/14 | | **NE** | M81381/17 | | **NF** | M81381/18 | | **NG** | M81381/19 | | **NH** | M81381/20 | | **NK** | M81381/21 | | **NL** | M81381/22 | | **RA** | M22759/3 | | **RB** | M22759/4 | | **RC** | M22759/11 | | **RE** | M22759/12 | | **SA** | M22759/7 | | **SB** | M22759/32 | | **SC** | M22759/33 | | **SD** | M22759/34 | | **SE** | M22759/35 | | **SM** | M22759/41 | | **SN** | M22759/42 | | **SP** | M22759/43 | | **SR** | M22759/44 | | **SS** | M22759/45 | | **ST** | M22759/46 | | **TA** | M22759/8 | | **TE** | M22759/16 | | **TF** | M22759/17 | | **TG** | M22759/18 | | **TH** | M22759/19 | | **TK** | M22759/20 | | **TL** | M22759/21 | | **TM** | M22759/22 | | **TN** | M22759/23 | | **VA** | M22759/5 | | **WA** | M22759/6 | | **WB** | M22759/80 | | **WC** | M22759/81 | | **WE** | M22759/82 | | **WJ** | M22759/86 | | **WK** | M22759/87 | | **WL** | M22759/88 | | **WM** | M22759/89 | | **WN** | M22759/90 | | **WP** | M22759/91 | | **WR** | M22759/92 | | |

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| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Table 3:  Shield Description** | | | | | | **Single Shield** | **Material** | **Double Shield** | **Shield Material** | **Temperature Rating** | | **U** | No Shield | **---** | No Shield |  | | **T** | Single Tin-coated copper, round | **V** | Double Tin-coated copper, round | 150°C | | **S** | Single Silver-coated copper, round | **W** | Double Silver-coated copper, round | 200°C | | **N** | Single Nickel-coated copper, round | **Y** | Double Nickel-coated copper, round | 260°C | | **F** | Single Stainless Steel, round | **Z** | Double Stainless Steel, round | 400°C | | **C** | Single Nickel-clad copper, round | **R** | Double Nickel-clad copper, round | 400°C | | **M** | Single Silver-coated HSCA, round | **K** | Double Silver-coated HSCA, round | 200°C | | **P** | Single Nickel-coated HSCA,round | **L** | Double Nickel-coated HSCA,round | 260°C | | **G** | Single Silver-coated copper, flat | **A** | Double Silver-coated copper, flat | 200°C | | **H** | Single Silver-coated HSCA, flat | **B** | Double Silver-coated HSCA, flat | 200°C | | **\*** | Single Nickel-coated copper, flat | **#** | Double Nickel-coated copper, flat | 260°C | | **J** | Single Tin-coated copper, flat | **D** | Double Tin-coated copper, flat | 150°C | | **E** | Single Nickel-coated HSCA, flat | **X** | Double Nickel-coated HSCA, flat | 260°C | | **I** | Single Nickel-chromium alloy, flat | **Q** | Double Nickel-chromium alloy, flat | 400°C | |
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| |  |  |  |  | | --- | --- | --- | --- | | **Table 4:  Jacket Styles** | | | | | **Single Jacket** | **Double Jacket** | **Jacket Material** | **Temperature Rating** | | 0 | 0 | No Jacket |  | | 1 | 51 | Extruded white PVC | 90°C | | 2 | 52 | Extruded clear polyamide | 105°C | | 3 | 53 | White polyamide braid impregnated with clear polyamide finisher over a polyester tape | 105°C | | 4 | 54 | Polyester braid impregnated with high temperature finishers over polyester tape | 150°C | | 5 | 55 | Extruded clear FEP | 200°C | | 6 | 56 | Extruded or taped and heat sealed white PTFE | 260°C | | 7 | 57 | White PTFE treated glass braid impregnated and coated with PTFE finisher over presintered PTFE tape | 260°C | | 8 | 58 | Cross linked white extruded PVF2 | 150°C | | 9 | 59 | Extruded white FEP | 200°C | | 10 | 60 | Extruded clear PVF2 | 125°C | | 11 | 61 | Tape of natural polyimide combined with FEP wrapped and heat sealed with polyimide outer surface | 200°C | | 12 | 62 | Tape of natural polyimide combined with FEP wrapped and heat sealed with polyimide outer surface | 200°C | | 14 | 64 | Extruded white ETFE | 150°C | | 15 | 65 | Extruded clear ETFE | 150°C | | 16 | 66 | Braid of aromatic polyamide with high temperature finisher over presintered PTFE tape | 200°C | | 17 | 67 | White extruded ECTFE | 150°C | | 18 | 68 | Clear extruded ECTFE | 150°C | | 20 | 70 | Extruded white PFA | 260°C | | 21 | 71 | Extruded clear PFA | 260°C | | 22 | 72 | Tape of polyimide combined with clear FEP wrapped and heat sealed with opaque polyimide outer surface | 200°C | | 23 | 73 | White, crosslinked, extruded, modified, ETFE (XL-ETFE) | 200°C | | 24 | 74 | Tape layer of white PTFE wrapped over a tape layer of nautral polyimide combined with FEP heated and fused | 260°C |   [**<BACK TO TOP>**](#_top) |