

| Specification | Main Insulation Material | Voltage Rating | Conductor Type | Temp Rating °C | AWG Size | MIL-DTL27500 Symbol | MIL Composite Equivalent |
|------------------------------|---|--|----------------|----------------|----------|---------------------|--------------------------|
| Military Hook-up Wire | | MIL-W-22759/5 To /27 (AS 22759/5 to 27) | | | | | |
| MIL-W-22759/5 | .0255-.036 Extruded PTFE Mineral Filled | 600 | SPC | 200 | 24-10 | VA | |
| MIL-W-22759/6 | .0255-.036 Extruded PTFe Mineral Filled | 600 | NPC | 260 | 24-10 | WA | |
| MIL-W-22759/7 | .019-.025 Extruded PTFE Minteral Filled | 600 | SPC | 200 | 24-10 | SA | |
| MIL-W-22759/8 | .019-.025 Extruded PTFE Mineral Filled | 600 | NPC | 260 | 24-10 | TA | |
| MIL-W-22759/9 | .015 Extruded PTFE | 1000 | SPC | 200 | 28-8 | LE | |
| MIL-W-22759/10 | .015 Extruded PTFE | 1000 | NPC | 260 | 28-8 | LH | |
| MIL-W-22759/11 | .010 Extruded PTFE | 600 | SPC | 200 | 28-8 | RC | /86 |
| MIL-W-22759/12 | .010 Extruded PTFE | 600 | NPC | 260 | 28-8 | RE | /87 |
| MIL-W-22759/13 | .011 Extruded FEP | 600 | TPC | 135 | 24-10 | CA | /88 |
| MIL-W-22759/14 | .008 Extruded FEP | 600 | TPC | 135 | 26-12 | CB | /88 |
| MIL-W-22759/15 | .008 Extruded FEP | 600 | SP Alloy | 135 | 26-20 | CC | /89 |
| MIL-W-22759/16 | .010 Extruded ETFE | 600 | TPC | 150 | 24-02 | TE | /88 |
| MIL-W-22759/17 | .010 Extruded ETFE | 600 | SP Alloy | 150 | 26-20 | TF | /89 |
| MIL-W-22759/18 | .006 Extruded ETFE | 600 | TPC | 150 | 26-10 | TG | /80 |
| MIL-W-22759/19 | .006 Extruded ETFE | 600 | SP Alloy | 150 | 26-20 | TH | /81 |
| MIL-W-22759/20 | .015 Extruded PTFE | 1000 | SP Alloy | 200 | 28-20 | TK | |
| MIL-W-22759/21 | .015 Extruded PTFE | 1000 | NP Alloy | 260 | 28-20 | TL | |
| MIL-W-22759/22 | .010 Extruded PTFE | 600 | SP Alloy | 200 | 28-20 | TM | /89 |
| MIL-W-22759/23 | .010 Extruded PTFE | 600 | NP Alloy | 260 | 28-20 | TN | /90 |
| MIL-W-22759/24 | .010 Extruded PTFE | 600 | SPC | 260 | 28-20 | JB | /86 |
| MIL-W-22759/25 | .010 Extruded PTFE | 600 | NPC | 260 | 28-20 | JC | /87 |
| MIL-W-22759/26 | .010 Extruded PTFE | 600 | SP Alloy | 200 | 28-20 | JD | /89 |
| MIL-W-22759/27 | .010 Extruded PTFE | 600 | NP Alloy | 260 | 28-20 | JE | /90 |

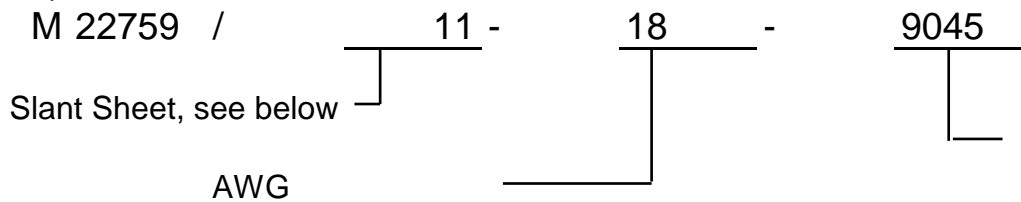
| Military Hook-up Wire | | MIL-W-22759/32 To /46 | | (AS 22759/32 To 46) | | | |
|------------------------------|---------------------------|------------------------------|----------|----------------------------|-------|----|-----|
| MIL-W-22759/32 | .006 XL-ETFE Single Layer | 600 | TPC | 150 | 30-12 | SB | /80 |
| MIL-W-22759/33 | .006 XL-ETFE Single Layer | 600 | SP Alloy | 200 | 30-20 | SC | /81 |
| MIL-W-22759/34 | .010 XL-ETFE Dual Layer | 600 | TPC | 150 | 24-00 | SD | /88 |
| MIL-W-22759/35 | .010 XL-ETFE Dual Layer | 600 | SP Alloy | 200 | 26-20 | SE | /89 |
| MIL-W-22759/41 | .010 XL-ETFE Dual Layer | 600 | NPC | 200 | 26-00 | SM | /87 |
| MIL-W-22759/42 | .010 XL-ETFE Dual Layer | 600 | NP Alloy | 200 | 26-20 | SN | /90 |
| MIL-W-22759/43 | .010 XL-ETFE Dual Layer | 600 | SPC | 200 | 26-00 | SP | /86 |
| MIL-W-22759/44 | .006 XL-ETFE Single Layer | 600 | SPC | 200 | 28-12 | SR | /91 |
| MIL-W-22759/45 | .006 XL-ETFE Single Layer | 600 | NPC | 200 | 28-12 | SS | /92 |
| MIL-W-22759/46 | .006 XL-ETFE Single Layer | 600 | NP Alloy | 200 | 28-20 | ST | /82 |

| Aerospace MIL-Composite Wire | | MIL-DTL-22759/80 To /92 | | (AS 22759/80 To /92) | | | |
|-------------------------------------|-------------------------|--------------------------------|----------|-----------------------------|---------|----|--|
| MIL-DTL-22759/80 | Light Weight Composite | 600 | TPC | 150 | 26-10 | WB | |
| MIL-DTL-22759/81 | Light Weight Composite | 600 | SP Alloy | 200 | 26-20 | WC | |
| MIL-DTL-22759/82 | Light Weight Composite | 600 | NP Alloy | 260 | 26-20 | WE | |
| MIL-DTL-22759/83 | Normal Weight Composite | 600 | SPC | 200 | 02-0000 | WF | |
| MIL-DTL-22759/84 | Normal Weight Composite | 600 | NPC | 260 | 02-0000 | WG | |
| MIL-DTL-22759/85 | Normal Weight Composite | 600 | TPC | 150 | 02-0000 | WH | |
| MIL-DTL-22759/86 | Normal Weight Composite | 600 | SPC | 200 | 26-0000 | WJ | |
| MIL-DTL-22759/87 | Normal Weight Composite | 600 | NPC | 260 | 26-0000 | WK | |
| MIL-DTL-22759/88 | Normal Weight Composite | 600 | TPC | 150 | 26-0000 | WL | |
| MIL-DTL-22759/89 | Normal Weight Composite | 600 | SP Alloy | 200 | 26-20 | WM | |
| MIL-DTL-22759/90 | Normal Weight Composite | 600 | NP Alloy | 260 | 26-20 | WN | |
| MIL-DTL-22759/91 | Light Weight Composite | 600 | SPC | 200 | 26-10 | WP | |
| MIL-DTL-22759/92 | Light Weight Composite | 600 | NPC | 260 | 26-10 | WR | |

SPC- Silver plated copper, NPC - Nickel Plated Copper, TPC- Tin Plated Copper, SP Alloy - Silver Plated, High Strength Copper Alloy, Conductor, NP Alloy - Nickel Plated, High Strength Copper Alloy Conductor NP

M22759 Specifications Sheet

(MIL-W-)
(MIL-DTL-)



| M22759 Slant Sheet | Insulation Material |
|--------------------|--|
| M22759/5 | Extruded mineral-filled PTFE ¹ |
| M22759/6 | Extruded mineral-filled PTFE ¹ |
| M22759/7 | Extruded mineral-filled PTFE (light weight) ¹ |
| M22759/8 | Extruded mineral-filled PTFE (light weight) ¹ |
| M22759/9 | Extruded PTFE |
| M22759/10 | Extruded PTFE |
| M22759/11 | Extruded PTFE (medium weight) |
| M22759/12 | Extruded PTFE (medium weight) |
| M22759/16 | Extruded ETFE |
| M22759/17 | Extruded ETFE |
| M22759/18 | Extruded ETFE (light weight) |
| M22759/19 | Extruded ETFE (light weight) |
| M22759/20 | Extruded PTFE |
| M22759/21 | Extruded PTFE |
| M22759/22 | Extruded PTFE (light weight) |
| M22759/23 | Extruded PTFE (light weight) |
| M22759/28 | Extruded PTFE with polyimide hardcoat ¹ |
| M22759/29 | Extruded PTFE with polyimide hardcoat ¹ |
| M22759/30 | Extruded PTFE with polyimide hardcoat ¹ |
| M22759/31 | Extruded PTFE with polyimide hardcoat ¹ |
| M22759/80 | PTFE/polyimide/PTFE tape and PTFE tape (light weight) ² |
| M22759/81 | PTFE/polyimide/PTFE tape and PTFE tape (light weight) ² |
| M22759/82 | PTFE/polyimide/PTFE tape and PTFE tape (light weight) ² |
| M22759/83 | PTFE/polyimide/PTFE tape and PTFE tape ² |
| M22759/84 | PTFE/polyimide/PTFE tape and PTFE tape ² |
| M22759/85 | PTFE/polyimide/PTFE tape and PTFE tape ² |
| M22759/86 | PTFE/polyimide/PTFE tape and PTFE tape ² |
| M22759/87 | PTFE/polyimide/PTFE tape and PTFE tape ² |
| M22759/88 | PTFE/polyimide/PTFE tape and PTFE tape ² |
| M22759/89 | PTFE/polyimide/PTFE tape and PTFE tape ² |
| M22759/90 | PTFE/polyimide/PTFE tape and PTFE tape ² |
| M22759/91 | PTFE/polyimide/PTFE tape and PTFE tape (light weight) ² |
| M22759/92 | PTFE/polyimide/PTFE tape and PTFE tape (light weight) ² |

Temperature in °C

¹ High abrasion resistance.

² Available with **Seamless Wrap** PTFE tape outer insulation.

³ High-strength and ultra-high-strength copper alloy conductors.

M22759 wires are surface printed with the MIL part number and manufacturer's CAGE code (FSCM

Color (First is base color with up to 3 stripes)

| | | | | | | | | |
|---------------|-------|-------|-----|--------|--------|-------|------|--------|
| Number | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Color | Black | Brown | Red | Orange | Yellow | Green | Blue | Violet |

| | Conductor Plating | Temperature Rating | Voltage Rating |
|--|--------------------------|---------------------------|-----------------------|
| | Silver | 200 | 600 |
| | Nickel | 260 | 600 |
| | Silver | 200 | 600 |
| | Nickel | 260 | 600 |
| | Silver | 200 | 1000 |
| | Nickel | 260 | 1000 |
| | Silver | 200 | 600 |
| | Nickel | 260 | 600 |
| | Tin | 150 | 600 |
| | Silver | 150 | 600 |
| | Tin | 150 | 600 |
| | Silver | 150 | 600 |
| | Silver ³ | 200 | 1000 |
| | Nickel ³ | 260 | 1000 |
| | Silver ³ | 200 | 600 |
| | Nickel ³ | 260 | 600 |
| | Silver | 200 | 600 |
| | Nickel | 260 | 600 |
| | Silver ³ | 200 | 600 |
| | Nickel ³ | 260 | 600 |
| | Tin | 150 | 600 |
| | Silver ³ | 200 | 600 |
| | Nickel ³ | 260 | 600 |
| | Silver | 200 | 600 |
| | Nickel | 260 | 600 |
| | Tin | 150 | 600 |
| | Silver | 200 | 600 |
| | Nickel | 260 | 600 |
| | Tin | 150 | 600 |
| | Silver ³ | 200 | 600 |
| | Nickel ³ | 260 | 600 |
| | Silver | 200 | 600 |
| | Nickel | 260 | 600 |

1 number).

| | |
|------|-------|
| | |
| 8 | 9 |
| Gray | White |

