

**CHARACTER:**

**1. Physical performance**

- a、 Good mechanical properties
- b、 Good resistance to high temperature, low temperature resistance
- c、 Good flame retardancy
- d、 Good corrosion resistance
- e、 Good resistance to climate
- f、 Good lubricity (small friction coefficient)
- g、 Excellent resistance to radiation
- h、 Good resistance to twists
- i、 Good not sticky

**2. Electrical Properties**

- a、 Electrical insulation good
- b、 Has the very high resistivity

**3. Processing properties**

- a、 Use half extrusion processing
- b、 Good wire processing performance
- c、 In the process of wire processing good compatibility
- d、 According to UL standard design

**4. Environmental protection**

- a、 ROHS/REACH compliant
- b、 nonhazardous

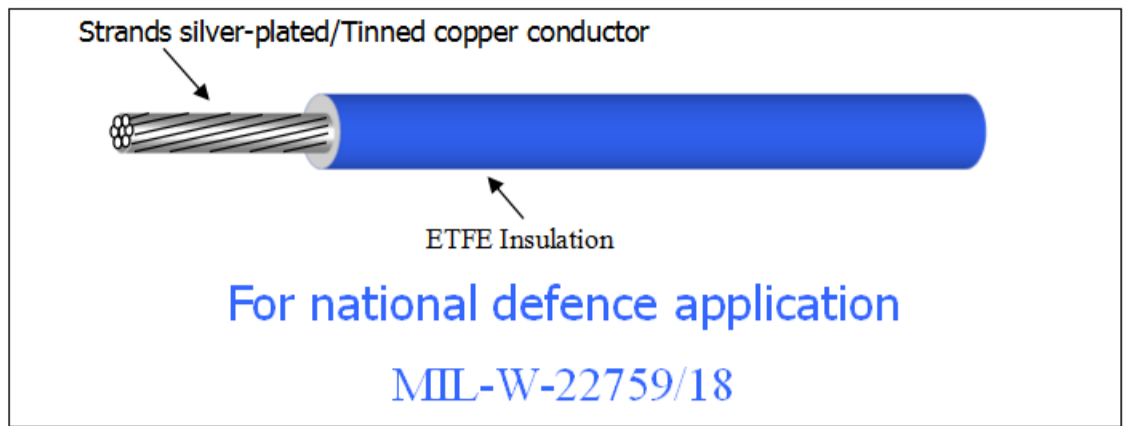
**SHOULD BE USED:**

For national defence application

**REFERENCE:**

MIL-W-22759

**Outline:**



**Wire structure description:**  
 Conductor: Silver-plated/Tinned copper;  
 Insulation materials: ETFE Insulation;

For national defence application  
 Rated temperature: 150°C Rated voltage: 600V

PIN.	AWG	Conductor size (No./mm) ±0.005	Conductor		Conductor Dia.(mm)	Insulation thickness (mm) Nom.	Overall diameter (mm)	
			Material	Coating			Min	Max
M22759/18	10	37/26	copper	Silver	2.79	0.20	3.149	3.251
	12	37/28	copper	Silver	2.18	0.20	2.565	2.667
	14	19/27	copper	Silver	1.70	0.15	2.006	2.108
	16	19/29	copper	Silver	1.35	0.15	1.651	1.753
	18	19/30	copper	Silver	1.22	0.15	1.498	1.600
	20	19/32	copper	Silver	0.97	0.15	1.245	1.346
	22	19/34	copper	Silver	0.76	0.15	1.041	1.143
	24	19/36	copper	Silver	0.61	0.15	0.863	0.965
	26	19/38	copper	Silver	0.50	0.15	0.762	0.864

**Marking:** no marking

**SAE COLOR SERIES**

* STOCK COLOR CHART				
00-BLACK	01-WHITE	02-RED	03-YELLOW	04-GREEN
05-BLUE	06-BROWN	07-GREY	08-ORANGE	09- VIOLET

**PACKAGE**

*PACKAGE			
Part No.	Packing- FT/roll		
10AWG	<input checked="" type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft
12~20AWG	<input type="checkbox"/> 500Ft	<input checked="" type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft
22-30AWG	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft



According to customer requirements for packaging packaging