

**CHARACTER:**

**1. Physical performance**

**a. excellent mechanical properties:**

Tensile strength  $\geq 34.5\text{MPa}$ , elongation at break  $\geq 100\%$

After aging:

Condition:  $180 \pm 1.0^\circ\text{C} / 168\text{H}$

Tensile strength residual rate  $\geq 85\%$  elongation at break  $\geq 75\%$

**b. Flame retardancy:** VW-1, vertical combustion, burning 5 times, each time 15S, any residual flame is not more than 60S.

**c. Low temperature bending:**  $-65^\circ\text{C} \pm 3^\circ\text{C}$ , no crack on the surface of the sample is qualified

**2. Electrical performance**

**a. rated temperature:**  $200^\circ\text{C}$  **rated voltage:** 600V

**b. dielectric withstand voltage:** 2.5KV AC, 60 seconds without breakdown

**3. Processing performance**

a. suitable for all conventional wire harness processing

b. If you have special needs, please let us know.

**4. Environmental protection**

a. ROHS/REACH compliant

b. no hazardous

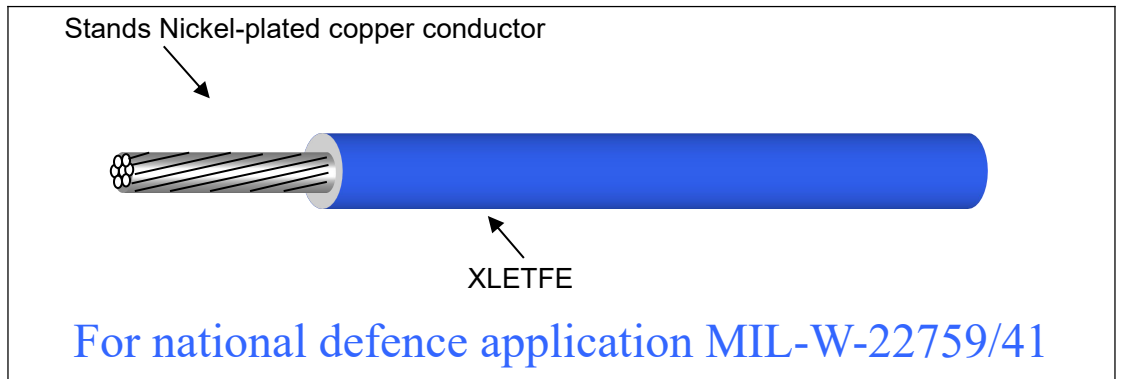
**SHOULD BE USED:**

For national defence application

**REFERENCE:**

MIL-W-22759/41

**Outline:**



**Wire structure description:**  
 Conductor: Nickel-plated copper  
 Insulation materials: XLETFE Insulation;

For national defence application  
 Rated temperature:  $200^\circ\text{C}$  Rated voltage: 600V

STYLE	AWG	Conductor size (no/mm) $\pm 0.005\text{mm}$	20°C Conductor resistance ( $\Omega/\text{Km}$ )	Conductor or Dia. (mm)	Insulation thickness (mm)	Overall diameter (mm)	
						Nom.	Tol.
M22759/41-04	04	133/0.45	0.882	6.92	0.25	7.42	$\pm 0.2$
M22759/41-06	06	133/0.32	1.403	4.92	0.25	5.42	$\pm 0.2$
M22759/41-08	08	133/0.30	2.16	4.62	0.25	5.12	$\pm 0.2$
M22759/41-10	10	37/0.40	3.90	2.81	0.25	3.31	$\pm 0.2$
M22759/41-12	12	37/0.32	5.94	2.25	0.25	2.75	$\pm 0.2$
M22759/41-14	14	19/0.32	9.45	1.61	0.25	2.11	$\pm 0.1$
M22759/41-16	16	19/0.30	14.8	1.51	0.25	2.01	$\pm 0.1$
M22759/41-18	18	19/0.254	19.0	1.28	0.25	1.78	$\pm 0.1$
M22759/41-20	20	19/0.20	30.1	1.00	0.25	1.50	$\pm 0.1$
M22759/41-22	22	19/0.16	49.5	0.81	0.25	1.31	$\pm 0.1$
M22759/41-24	24	19/0.127	79.7	0.64	0.25	1.14	$\pm 0.1$
M22759/41-26	26	19/0.10	126	0.50	0.25	1.00	$\pm 0.1$

**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		
4~10AWG	■ 500Ft	□ 1000Ft	□ 2000Ft
12~20AWG	□ 500Ft	■ 1000Ft	□ 2000Ft
22-26AWG	□ 500Ft	□ 1000Ft	■ 2000Ft
According to customer requirements for packaging packaging			

