

CHARACTER:

1. Physical performance

a. excellent mechanical properties:

Tensile strength ≥ 12.4MPa, elongation at break ≥ 100%

After aging:

Condition: 180 ± 1.0°C / 168H

Tensile strength residual rate ≥ 85%

Tensile strength residual rate ≥ 70%

b. Flame retardancy: FT2, horizontal burning, burning once, 30S each time, no particles or droplets igniting the cotton layer can be emitted on the sample during the test.

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

c. Low temperature bending: -10°C ± 2°C/4H, no crack on the surface of the sample is qualified

2. Electrical Properties

a. rated temperature: 150°C rated voltage: 600V

b. Spark test: When passing through the test electrode, no breakdown occurs. Spark test voltage is 6KV

c. dielectric withstand voltage: 2KV, 60 seconds without breakdown

3. Processing properties

a. thin-wall

b. Can be twisted pair and multi-core

c. Light weight

4. Environmental protection

a. ROHS/REACH compliant

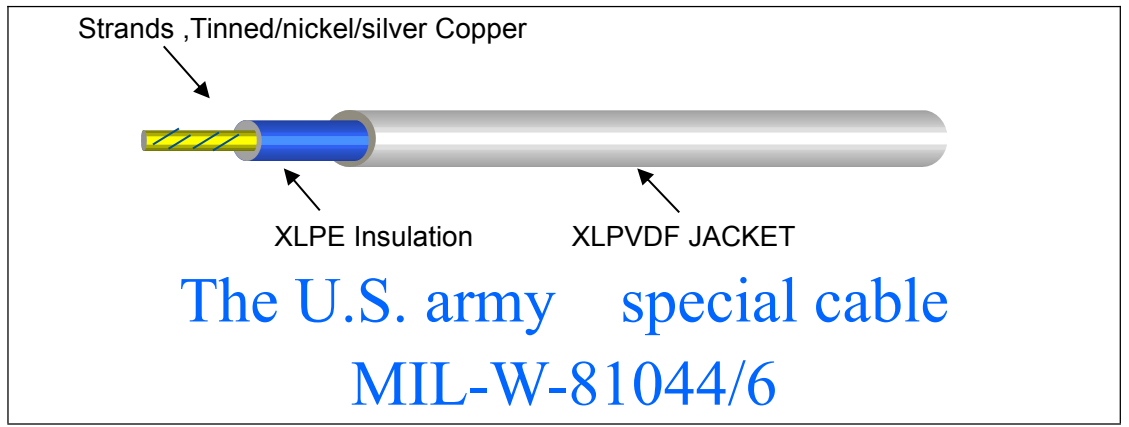
SHOULD BE USED:

American standard special MIL - W - 81044 cable is widely used in aviation, spaceflight, ships, military vehicles, missiles and other electronic products, and other industrial fields.

REFERENCE:

MIL-W-81044

Outline:



Wire structure description:

Conductor: Tinned/nickel/silver Copper ;

Insulation materials: XLPE insulation

Jacket materials: XLPVDF

The U.S. Army special cable
Rated temperature: 150°C Rated voltage: 600V

STYLE	AWG	Conductor size (No./ mm) ± 0.005	Conductor Dia.(mm)	thickness (mm) Nom.		Overall diameter (mm)	
				Insulation	jacket	nom.	tole.
M81044/6-24	24	19/0.127	0.64	0.27	0.10	1.38	±0.10
M81044/6-22	22	19/0.16	0.81	0.35	0.10	1.70	±0.10
M81044/6-20	20	19/0.203	1.02	0.35	0.10	1.92	±0.10
M81044/6-18	18	19/0.254	1.28	0.35	0.10	2.20	±0.10
M81044/6-16	16	19/0.287	1.45	0.38	0.10	2.40	±0.10
M81044/6-14	14	19/0.361	1.82	0.45	0.10	2.92	±0.15
M81044/6-12	12	37/0.374	2.63	0.45	0.15	3.83	±0.15
M81044/6-10	10	37/0.404	2.84	0.50	0.15	4.14	±0.15
M81044/6-8	8	7/19/0.287	3.82	0.70	0.15	5.52	±0.15
M81044/6-6	6	7/19/0.361	4.80	0.80	0.20	6.80	±0.20
M81044/6-4	4	7/19/0.455	6.06	0.90	0.20	8.26	±0.20
M81044/6-2	2	19/35/0.254	7.86	1.20	0.25	10.76	±0.20
M81044/6-1	1	19/43/0.254	8.71	1.20	0.25	11.60	±0.20
M81044/6-1/0	1/0	19/55/0.254	10.67	1.20	0.25	13.50	±0.20

Marking: NO MARKING

3F product code:

E.g: 81044D6-2000-19
81044/6, 20AWG, black, 19/0.203, Tinned-plated

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			3F
1/0-4AWG	■ 500Ft	□ 1000Ft	□ 2000Ft	
6-14AWG	□ 500Ft	■ 1000Ft	□ 2000Ft	
16-24AWG	□ 500Ft	□ 1000Ft	■ 2000Ft	

According to customer requirements for packaging packaging