

# Viakon® Aerospace M22759/87 Hook Up Wire

Nickel Plated Copper Conductor, 600 V



A Viakable Company

## Application

M22759/87 wires are normal weight, high performance aerospace hookup wires with a dual layer insulation of Polytetrafluoroethylene (PTFE)/Polyimide/PTFE tape covered with PTFE tape.

These conductors are used for internal equipment interconnections and to build harnesses for the aerospace industry.

## Features

Excellent thermal stability and abrasion resistance.

Normal weight.

## Specifications

M22759/87

SAE - AS22759/87

### Voltage Rating:

- 600 volts

### Temperature Rating:

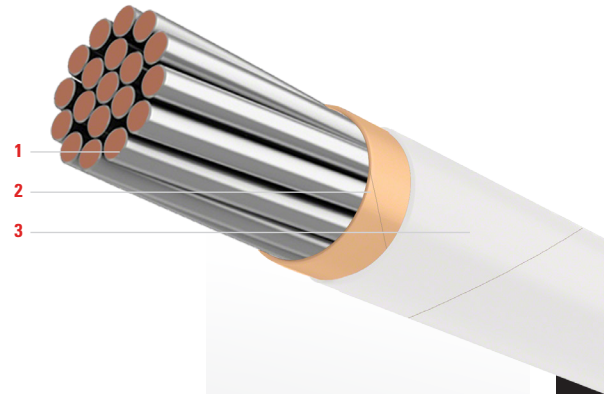
- -55 °C to 260 °C

## Engineering Information

**1. Conductor:** Stranded nickel plated copper.

**2. Insulation:** Dual layer insulation of PTFE/Polyimide/PTFE tape.

**3. Jacket:** PTFE tape.



## Technical Data

### M22759/87 Normal Weight Nickel Plated Copper Conductor

Part Number	Size AWG	Number of Strands	Size of Each Strand AWG	Conductor Diameter Minimum mil	Conductor Diameter Maximum mil	Final Product Operation: 600 V, 150 °C		
						Resistance Max @ 20 °C Ω/kft	Nominal O.D. Finished Cable mil	Nominal Weight lb/kft
M22759/87-26-*	26	19	38	17.5	20.4	42.20	35.0	1.42
M22759/87-24-*	24	19	36	22.5	24.4	25.90	40.0	2.04
M22759/87-22-*	22	19	34	28.5	31.4	16.00	45.0	2.90
M22759/87-20-*	20	19	32	36.5	39.4	9.77	53.0	4.45
M22759/87-18-*	18	19	30	45.5	49.4	6.10	63.0	6.60
M22759/87-16-*	16	19	29	51.5	55.4	4.76	70.5	8.40
M22759/87-14-*	14	19	27	64.5	69.4	3.00	83.5	12.80
M22759/87-12-*	12	37	28	83.5	89.4	1.98	102.5	19.70
M22759/87-10-*	10	37	26	106.0	112.0	1.24	125.0	30.80

\*Color identification according to tables I and II (MIL-STD-681). Example: M22759/87-26-9, (9 = White).

## MIL-STD-681 Color Code

Number	0	1	2	3	4	5	6	7	8	9
Color	Black	Brown	Red	Orange	Yellow	Green	Blue	Violet	Gray	White

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