

Viakon® Aerospace M22759/82 Hook Up Wire

Nickel Plated High or Ultra High Strength Copper Alloy Conductor, 600 V

CME
wire and cable

A Viakable Company

Application

M22759/82 wires are light 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 where high breaking strength is desired.

Features

Excellent thermal stability.
Light weight.
Abrasion resistance.
Superior tensile strength performance.

Specifications

M22759/82

SAE - AS22759/82

Voltage Rating:

- 600 volts

Temperature Rating:

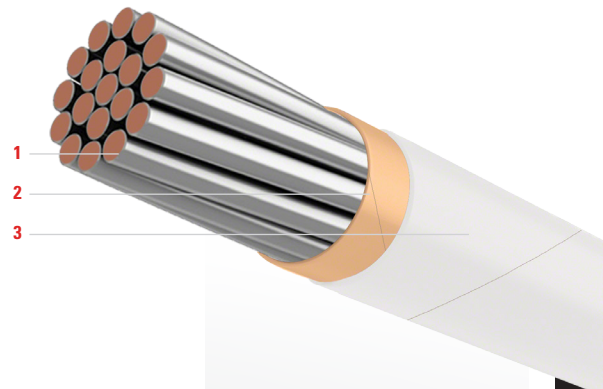
- -55 °C to 260 °C

Engineering Information

1. Conductor: Nickel plated, high strength copper alloy (AWG 20-24), or ultra high strength copper alloy (AWG 26).

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

3. Jacket: PTFE tape.



Technical Data

M22759/82 Light Weight High/Ultra High Strength Nickel Plated Copper Alloy 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
M22759/82-26-*	26	19	38	17.5	20.4	58.4	32.0	1.33
M22759/82-24-*	24	19	36	22.5	25.4	30.1	36.0	1.86
M22759/82-22-*	22	19	34	28.5	31.4	18.6	41.5	2.75
M22759/82-20-*	20	19	32	36.5	40.4	11.4	49.5	4.25

*Color identification according to tables I and II (MIL-STD-681). Example: M22759/82-26-9, (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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