

Viakon® Aerospace M22759/19 Hook Up Wire

Silver Plated High Strength Copper Conductor, 600 V

CME
wire and cable

A Viakable Company

Application

M22759/19 has thin-wall extruded Ethylene Tetrafluoroethylene (ETFE) insulation for aerospace and other applications requiring light weight, tight diameter tolerances, and enhanced mechanical strength.

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

Features

ETFE insulation is self-extinguishing in both horizontal and vertical flammability tests.

ETFE insulation also provides exceptional resistance to radiation and chemicals.

Excellent thermal and cryogenic stability.

Light weight.

Superior tensile strength performance.

Specifications

M22759/19

SAE - AS22759/19

Voltage Rating:

- 600 volts

Temperature Rating:

- -55 °C to 150 °C

Engineering Information

1. Conductor: Stranded silver plated high strength copper alloy.

2. Insulation: Thin-wall Extruded Ethylene Tetrafluoroethylene (ETFE).



Technical Data

MS22759/19 Light Weight Silver 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	Nominal O.D. Finished Cable	Nominal Weight
						Ω/kft	mil	lb/kft
M22759/19-26-*	26	19	38	18	20	44.8	32	1.41
M22759/19-24-*	24	19	36	23	24	28.4	36	1.99
M22759/19-22-*	22	19	34	29	31	17.5	43	2.96
M22759/19-20-*	20	19	32	37	39	10.7	51	4.59

*Color identification according to tables I and II (MIL-STD-681). Example: M22759/19-26-9, (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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