

mil-w-5086飞机电缆

m5086飞机电缆能承受所有的具有挑战性的航空航天和军事应用的苛刻要求，包括机身电路的应用。这个军用规格的电缆也可以适用于要求耐磨损的项目，切穿，冲击，化学品和燃料，或其它类型的物理和环境滥用。

mil-w-5086		SAE as50861 / 1 / 1
mil-w-5086		SAE as50861 / 2 / 2
mil-w-5086		SAE as50861 / 4 / 4
mil-w-5086		SAE as50861 / 5 / 5
mil-w-5086		SAE as50861 / 6 / 6
mil-w-5086		SAE as50861 / 7 / 7



我们的精选飞机电缆产品包括多种满足MIL-W-5086军用规格标准，以及最近的SAE-AS50861标准的产品。我们的M5086 I型飞机电缆和II型电缆可以用于机身点至点它们的额定电压600V和105°C。这两种类型都镀锡铜导体，PVC绝缘和尼龙护套。 II型拥有一个浸渍玻璃编织屏蔽。

IV型是具有105°C的温度额定值3000V飞机电缆。 IV型是用镀锡铜导体，PVC绝缘和尼龙护套。

M5086 V型和M5086型飞机VI电缆都采用PVC绝缘和护套聚偏氟乙烯和110° C和600V评级。然而，V型有镀锡铜导体，而VI型的是镀银。

VII型额定至105° C和600V。它的构建是一个绞合镀锡铜导体，PVC绝缘和尼龙护套。

mil-w-5086 | SAE as50861 / 1 / 1
飞机电缆m5086 / 1

mil-w-5086 / 1
军用规格电缆
SAE as50861 / 1
非屏蔽飞机电缆

mil-w-5086 / 1飞机电缆结构：
导体：软退火镀锡铜绞线
高温使用的热塑性聚氯乙烯复合保温材料
外套：透明尼龙
mil-w-5086 / 1飞机电缆额定值：
额定电压：600伏
额定温度：105°C
mil-w-5086 / 1应用：

优良的耐潮湿，燃料，液压油，和其他常见的工业溶剂。这根电线可以被视为在任何应用中，它可能被暴露在化学品，切割，冲击，磨损，或其他滥用。

Part Number	AWG Size	Conductor Stranding	Jacket Thick	Nom. O.D. (in)	Approx LBS/MFT
M5086/1-22	22	19/34	0.006	0.068	4.0
M5086/1-20	20	19/32	0.006	0.078	6.0
M5086/1-18	18	19/30	0.006	0.088	8.3
M5086/1-16	16	19/29	0.006	0.098	10.3
M5086/1-14	14	19/27	0.006	0.117	15.7
M5086/1-12	12	37/28	0.006	0.137	23.7
M5086/1-10	10	37/26	0.006	0.159	35.0



MIL-W-5086/2 | SAE AS50861/2

M5086/2 Aircraft Cable

MIL-W-5086/2 or M5086/2
MIL Spec Wire
Aircraft Wire

M5086/2 Aircraft Cable Ratings and Approvals:

Mil Spec Rating: MIL-W-5086/2
Temperature Rating: -55° C to + 105° C
Voltage Rating: 600 volts
M5086/2 Aircraft Cable Construction:

Conductor: Stranded Tinned Copper
Insulation: Thermoplastic Polyvinyl Chloride compounded insulation for high temperature use
Shield: Impregnated Glass Braid
Jacket: Clear Nylon or Nylon Braid for large sizes
MIL-W-5086/2 Applications:

MIL-W-5086/2 MIL Spec Wire may be used as airframe wire at temperatures within the range of -55° C to + 105° C.
Voltage rating is 600 volts. Excellent resistance to moisture, fuels, hydraulic fluids, and other common industrial solvents. This wire should be considered for use in any application where it may be exposed to chemicals, cut-through, impact, abrasion, or other abuse.

Part Number	AWG Size	Conductor Stranding	Jacket Thick	Nom. O.D. (in)	Approx LBS/MFT	M27500 Component
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M5086/2-22	22	19/34	0.006	0.073	4.2	B
M5086/2-20	20	19/32	0.006	0.083	6.2	B
M5086/2-18	18	19/30	0.006	0.093	8.6	B
M5086/2-16	16	19/29	0.006	0.103	10.7	B
M5086/2-14	14	19/27	0.006	0.126	16.7	B
M5086/2-12	12	37/28	0.006	0.143	25.0	B
M5086/2-10	10	37/26	0.006	0.189	40.1	B
M5086/2-8	8	133/29	0.008	0.239	66.0	B
M5086/2-6	6	133/27	0.008	0.293	104.6	B
M5086/2-4	4	133/25	0.008	0.349	160.1	B
M5086/2-2	2	665/30	0.008	0.420	245.0	B
M5086/2-1	1	817/30	0.008	0.467	304.0	B
M5086/2-01	1/0	1045/30	0.008	0.525	392.0	B
M5086/2-02	2/0	1330/30	0.008	0.587	493.0	B
M5086/2-03	3/0	1661/30	0.008	0.640	604.0	B
M5086/2-04	4/0	2104/30	0.008	0.725	770.0	B



MIL-W-5086/4 | SAE AS50861/4
MIL-W-5086/4 Cable
MIL Spec Wire
3000V, 105° C

M5086/4 Aircraft Cable Ratings and Approvals:

Mil-Spec Rating: MIL-W-5096/4
Voltage Rating: 3000 Volts
Temperature Rating: 105° C
M5086/4 Aircraft Cable Construction:

Conductor: Stranded Tin Plated Copper
Insulation: Polyvinyl Chloride (PVC)
Jacket: Nylon

Part Number	AWG Size	Conductor Stranding	Approx LBS/MFT	Nom. O.D. (in)	M27500 Component
M5086/4-16	16	19/29	14	0.122	P
M5086/4-18	18	19/30	12	0.113	P
M5086/4-20	20	19/32	9	0.103	P

M5086/4-222219/347.20.095P

MIL-W-5086/5 | SAE AS50861/5
MIL-W-5086/5 or M5086/5
MIL Spec Wire

MIL-W-5086/5 Aircraft Cable Ratings and Approvals:

Mil Spec Rating: M5086/5
Voltage Rating: 600 Volts
Temperature Rating: 110° C
MIL-W-5086/5 Aircraft Cable Construction:

Conductor: Stranded Tin Plated Copper
Insulation: Polyvinyl Chloride (PVC)
Jacket: Polyvinylidene Fluoride (PVDF)

Part Number	AWG Size	Conductor Stranding	Approx LBS/MFT	Nom. O.D. (in)	M27500 Component
M5086/5-8	8	133/29	66.86	0.213	AA
M5086/5-10	10	37/26	40.4	0.156	AA
M5086/5-12	12	37/28	25.8	0.132	AA
M5086/5-14	14	19/27	16.4	0.111	AA
M5086/5-16	16	19/29	10.82	0.091	AA
M5086/5-18	18	19/30	8.93	0.082	AA
M5086/5-20	20	19/32	6.26	0.072	AA
M5086/5-22	22	19/34	4.1	0.062	AA
M5086/5-24	24	19/36	3.3	0.053	AA

MIL-W-5086/6 | SAE AS50861/6
MIL-W-5086/6
MIL Spec Wire

M5086/6 Aircraft Cable Ratings and Approvals:

Mil Spec Rating: MIL-W-5086/6



Voltage Rating: 600 volts
Temperature Rating: 110° C
M5086/6 Aircraft Cable Construction:

Conductor: Silver Plated Copper
Insulation: Polyvinyl Chloride (PVC)
Jacket: Polyvinylidene Fluoride (PVDF)

Part Number	AWG Size	Conductor Stranding	Approx LBS/MFT	Nom. O.D. (in)	M27500 Component
M5086/6-24	24	19/36	3.3	0.053	AB
M5086/6-26	26	19/38	2.4	0.046	AB
M5086/6-28	28	7/36	1.8	0.040	AB

MIL-W-5086/7 | SAE AS50861/7
MIL-W-5086/7 or M5086/7
MIL Spec Wire
600V, 105° C

M5086/7 Aircraft Cable Ratings and Approvals:

Mil Spec Rating: MIL-W-5086/7
Voltage Rating: 600 volts
Temperature Rating: 105° C
M5086/7 Aircraft Cable Construction:

Conductor: Stranded Tinned Copper
Insulation: Polyvinyl Chloride (PVC)
Jacket: Nylon

Part Number	AWG Size	Conductor Stranding	Approx LBS/MFT	Nom. O.D. (in)	M27500 Component
M5086/7-10	10	37/26	35.7	0.150	AD
M5086/7-12	12	37/28	23	0.122	AD
M5086/7-14	14	19/27	15.5	0.104	AD
M5086/7-16	16	19/29	10.1	0.085	AD
M5086/7-18	18	19/30	8	0.077	AD
M5086/7-20	20	19/32	5.5	0.067	AD
M5086/7-22	22	19/34	3.9	0.059	AD
M5086/7-24	24	19/36	2.7	0.052	AD



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