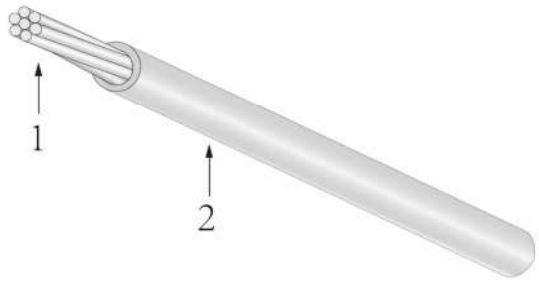
MIL-W-16878/5

Type EE 1000V
MIL Spec Wire
NEMA HP3



Description:

- Solid or Stranded Silver Plated Copper
- Extruded PTFE Insulation

Characteristics:

- Temperature Rating: -60°C to +200°C
- Voltage Rating: 1000 Volts

Application:

PTFE MIL-W-16878/5 MIL Spec wire is intended for electrical or electronic use in protected applications where high temperature will be encountered. The MIL Spec wire has excellent resistance to thermal aging, solder iron damage, flame, and moisture. PTFE also resists solvents, greases, ozone and most other chemicals. These wires are easy to install due to their small size and slippery surface. PTFE has excellent, stable electrical characteristics with low power loss, making it ideal for high frequency applications.

Part Number	Mil Spec Designation	conductor			Insulation Diameter		Maximum resistance at 20°C ohm/km
		AWG	Stranding	Diameter Inches(mm)	Min. Inches(mm)	Max. Inches(mm)	
M16878/5-32-1	M16878/5 BAA-X	32	1/32	.008 (.20)	.034 (.87)	.042 (1.07)	554
M16878/5-32-7	M16878/5 BAB-X	32	7/40	.009 (.23)	.036 (.91)	.044 (1.12)	567
M16878/5-32-19	M16878/5 BAG-X	32	19/44	.010 (.25)	.036 (.91)	.044 (1.12)	502
M16878/5-30-1	M16878/5 BBA-X	30	1/30	.010 (.254)	.036 (.91)	.044 (1.12)	348
M16878/5-30-7	M16878/5 BBB-X	30	7/38	.012 (.31)	.038 (.97)	.046 (1.17)	329
M16878/5-30-19	M16878/5 BBG-X	30	19/42	.012 (.31)	.038 (.97)	.046 (1.17)	315
M16878/5-28-1	M16878/5 BCA-X	28	1/28	.013 (.33)	.039 (.99)	.047 (1.19)	223
M16878/5-28-7	M16878/5 BCB-X	28	7/36	.015 (.38)	.041 (.99)	.049 (1.24)	210
M16878/5-28-19	M16878/5 BCE-X	28	19/40	.015 (.38)	.041 (1.04)	.049 (1.24)	207
M16878/5-26-1	M16878/5 BDA-X	26	1/26	.016 (.41)	.042 (1.07)	.050 (1.27)	138
M16878/5-26-7	M16878/5 BDB-X	26	7/34	.019 (.48)	.045 (1.14)	.053 (1.35)	131
M16878/5-26-19	M16878/5 BDE-X	26	19/38	.019 (.48)	.045 (1.14)	.053 (1.35)	123
M16878/5-24-1	M16878/5 BEA-X	24	1/24	.020 (.51)	.046 (1.17)	.054 (1.37)	94
M16878/5-24-7	M16878/5 BEB-X	24	7/32	.024 (.61)	.050 (1.27)	.058 (1.47)	90
M16878/5-24-19	M16878/5 BEE-X	24	19/36	.024 (.61)	.050 (1.27)	.058 (1.47)	86
M16878/5-22-1	M16878/5 BFA-X	22	1/22	.025 (.64)	.051 (1.30)	.060 (1.52)	55
M16878/5-22-7	M16878/5 BFB-X	22	7/30	.030 (.76)	.056 (1.42)	.064 (1.63)	52
M16878/5-22-19	M16878/5 BFE-X	22	19/34	.030 (.76)	.056 (1.42)	.064 (1.63)	49
M16878/5-20-1	M16878/5 BGA-X	20	1/20	.032 (.81)	.058 (1.47)	.066 (1.68)	34
M16878/5-20-7	M16878/5 BGB-X	20	7/28	.038 (.97)	.064 (1.63)	.072 (1.83)	33
M16878/5-20-19	M16878/5 BGE-X	20	19/32	.038 (.97)	.064 (1.63)	.072 (1.83)	30
M16878/5-18-1	M16878/5 BHA-X	18	1/18	.040 (1.02)	.066 (1.68)	.076 (1.93)	22
M16878/5-18-7	M16878/5 BHB-X	18	7/26	.048 (1.22)	.074 (1.88)	.084 (2.13)	21
M16878/5-18-19	M16878/5 BHE-X	18	19/30	.047 (1.19)	.074 (1.88)	.084 (2.13)	20
M16878/5-16-19	M16878/5 BJE-X	16	19/29	.053 (1.35)	.083 (2.11)	.095 (2.41)	15
M16878/5-14-19	M16878/5 BKE-X	14	19/27	.067 (1.70)	.098 (2.49)	.114 (2.90)	10
M16878/5-12-19	M16878/5 BLE-X	12	19/25	.084 (2.13)	.117 (2.97)	.133 (3.38)	6
M16878/5-10-37	M16878/5 BMG-X	10	37/26	.108 (2.74)	.137 (3.48)	.153 (3.89)	4