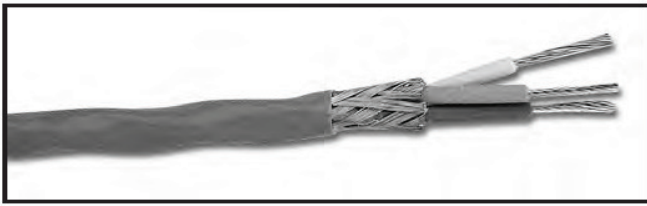


Type ET Cables—MIL-W-16878/6 components



Construction Details

Component wire conductor:

Silver- or nickel-plated copper.

Component wire insulation: Extruded PTFE.

Shield: Silver-plated copper braid, 85% coverage.

Jacket: Extruded FEP or PTFE tape.

Colors: Component wires color coded to MIL-STD-104;
Jacket colors: White preferred; also available in
10 basic colors (see page 26).

Type ET cables are shielded and jacketed cables with extruded FEP or PTFE tape jackets, incorporating MIL-W-16878/4 wires. These component wires are insulated with extruded PTFE, and have either silver-plated copper or nickel-plated copper conductors.

Cables with PTFE jackets are available with our unique **Seamless Wrap** PTFE tape (see page 2 for details).

Performance:

Voltage rating: 250V.

Temperature ratings:

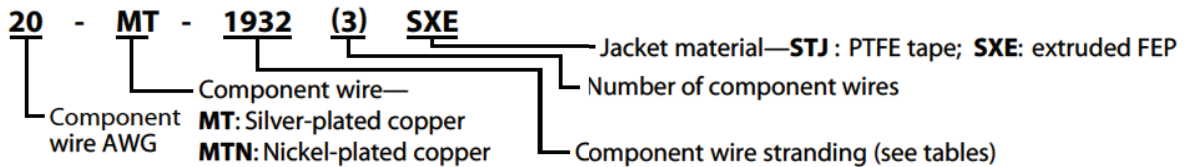
Silver-plated conductors and either jacket: -55 to 200° C.

Nickel-plated conductors and PTFE jacket: -55 to 260° C.

Nickel-plated conductors and and FEP jacket: -55 to 200° C.

See page 28 for component wire dimensions.

Part Numbers:



Dimensions and Weight—1 Conductor Cables

Component Wire AWG	Stranding	Shield Diameter	Jacket Diameter	Weight
20	19/32	.068 (1.73)	.086 (2.18)	10.1 (15.0)
22	19/34	.060 (1.52)	.078 (1.98)	7.37 (11.0)
24	19/36	.054 (1.37)	.072 (1.83)	6.28 (9.34)
26	19/38	.049 (1.24)	.067 (1.70)	5.16 (7.68)
28	7/36	.045 (1.14)	.063 (1.60)	4.20 (6.25)
30	7/38	.042 (1.07)	.060 (1.52)	3.78 (5.62)
32	7/40	.040 (1.02)	.058 (1.47)	3.56 (5.30)
34	7/42	.031 (.79)	.049 (1.24)	3.60 (3.87)
36	7/44	.030 (.76)	.048 (1.22)	2.56 (3.81)

Dimensions and Weight—2 Conductor Cables

Component Wire AWG	Stranding	Shield Diameter	Jacket Diameter	Weight
20	19/32	.123 (3.12)	.141 (3.58)	18.4 (27.4)
22	19/34	.107 (2.72)	.125 (3.18)	14.3 (21.3)
24	19/36	.095 (2.41)	.113 (2.87)	11.1 (16.5)
26	19/38	.085 (2.16)	.103 (2.62)	9.34 (13.9)
28	7/36	.077 (1.96)	.095 (2.41)	8.10 (12.1)
30	7/38	.066 (1.68)	.084 (2.13)	5.91 (8.79)
32	7/40	.062 (1.57)	.080 (2.03)	5.15 (7.66)
34	7/42	.056 (1.42)	.074 (1.88)	4.45 (6.62)
36	7/44	.054 (1.37)	.072 (1.83)	4.38 (6.52)

Dimensions and Weight—3 Conductor Cables

Component Wire AWG	Stranding	Shield Diameter	Jacket Diameter	Weight
20	19/32	.131 (3.31)	.149 (3.77)	24.7 (36.8)
22	19/34	.113 (2.88)	.131 (3.34)	18.2 (27.1)
24	19/36	.100 (2.55)	.118 (3.01)	14.5 (21.6)
26	19/38	.090 (2.28)	.108 (2.73)	11.7 (17.4)
28	7/36	.081 (2.06)	.099 (2.52)	9.41 (14.0)
30	7/38	.070 (1.77)	.088 (2.23)	7.71 (11.5)
32	7/40	.065 (1.66)	.083 (2.12)	6.33 (9.42)
34	7/42	.059 (1.49)	.077 (1.95)	5.43 (8.08)
36	7/44	.057 (1.44)	.075 (1.90)	5.33 (7.93)

Dimensions and Weight—4 Conductor Cables

Component Wire AWG	Stranding	Shield Diameter	Jacket Diameter	Weight
20	19/32	.144 (3.64)	.162 (4.10)	31.0 (46.1)
22	19/34	.124 (3.16)	.142 (3.61)	22.4 (33.3)
24	19/36	.110 (2.79)	.128 (3.25)	17.3 (25.7)
26	19/38	.098 (2.48)	.116 (2.94)	14.2 (21.1)
28	7/36	.088 (2.24)	.106 (2.69)	11.9 (17.7)
30	7/38	.081 (2.05)	.099 (2.51)	9.48 (14.1)
32	7/40	.076 (1.93)	.094 (2.39)	8.50 (12.6)
34	7/42	.064 (1.62)	.082 (2.08)	6.15 (9.15)
36	7/44	.061 (1.56)	.079 (2.02)	6.03 (8.97)

Dimensions in inches (mm). Weights in pounds/1000 feet (Kg/1000 M). • All values nominal unless otherwise indicated. • Dimensions calculated using a circumscribed circle.

