

MIL-C-17 coaxial and twinaxial cables

Dimensions and Weights

M17 P/N	Thermax Type	Impedance / Type	Conductor Type / Diameter	Insulation Type / Diameter	Braid Type / Diameter	Jacket Type / Diameter	Weight
M17/060-RG142	RGS-142	50 Ω coaxial	Solid SPCW .037 (.694)	Extruded PTFE .116 (2.95)	Double 36 SPC .162 (4.11)	Extruded FEP .195 (4.95)	41.2 (61.3)
M17/093-RG178	RGS-178	50 Ω coaxial	7/38 SPCW .012 (.057)	Extruded PTFE .033 (.838)	Single 38 SPC .051 (1.30)	Extruded FEP .071 (1.80)	5.41 (8.05)
M17/093-00001	50-738CSPA	50 Ω coaxial	7/38 SPCW .012 (.057)	Extruded PTFE .033 (.838)	Single 38 SPC .051 (1.30)	Extruded PFA .071 (1.80)	5.41 (8.05)
M17/094-RG179	RGU-179	75 Ω coaxial	7/38 SPCW .012 (.057)	Extruded PTFE .063 (1.60)	Single 38 SPC .081 (2.06)	Extruded FEP .100 (2.54)	9.83 (14.6)
M17/095-RG180	RGU-180	95 Ω coaxial	7/38 SPCW .012 (.057)	Extruded PTFE .102 (2.59)	Single 38 SPC .120 (3.05)	Extruded FEP .141 (3.58)	18.3 (27.2)
M17/110-RG302	RGU-302	75 Ω coaxial	Solid SPCW 025 (.324)	Extruded PTFE .146 (3.71)	Single 36 SPC .168 (4.27)	Extruded FEP .202 (5.13)	37.7 (56.1)
M17/111-RG303	RGS-303	50 Ω coaxial	Solid SPCW .037 (.694)	Extruded PTFE .116 (2.95)	Single 36 SPC .138 (3.51)	Extruded FEP .170 (4.32)	30.0 (44.6)
M17/112-RG304	RGS-304	50 Ω coaxial	Solid SPCW .059 (1.76)	Extruded PTFE .185 (4.70)	Double 34 SPC .240 (6.10)	Extruded FEP .280 (7.11)	89.1 (133)
M17/113-RG316	RGS-316	50 Ω coaxial	7/0067 SPCW .020 (.159)	Extruded PTFE .060 (1.52)	Single 38 SPC .078 (1.98)	Extruded FEP .098 (2.49)	9.89 (14.7)
M17/127-RG393	RGS-393	50 Ω coaxial	7/0312 SPC .094 (3.45)	Extruded PTFE .285 (7.24)	Double 34 SPC .340 (8.64)	Extruded FEP .390 (9.91)	160 (238)
M17/128-RG400	RGS-400	50 Ω coaxial	19/32 SPC .038 (.616)	Extruded PTFE .116 (2.95)	Double 36 SPC .162 (4.11)	Extruded FEP .195 (4.95)	41.9 (62.4)
M17/131-RG403	RGS-403	50 Ω triaxial	7/38 SPCW .012 (.057)	Extruded PTFE .033 (.838)	Double 38 SPC FEP Interlayer Inner .051 (1.30) Outer .090 (2.29)	Double Ext. FEP Braid Interlayer Inner .074 (1.88) Outer .118 (3.00)	14.3 (21.3)
M17/132-RG404	RGU-404	50 Ω coaxial (Low Noise)	7/38 SPCW .012 (.057)	Extruded PTFE .034 (.864)	Single 38 SPC .052 (1.32)	Extruded FEP .073 (1.85)	5.46 (8.13)
M17/136-00001	U75-738CSPA	75 Ω coaxial	7/38 SPCW .012 (.057)	Extruded PTFE .063 (1.60)	Single 38 SPC .081 (2.06)	Extruded PFA .100 (2.54)	9.83 (14.6)
M17/137-00001	U95-738CSPA	95 Ω coaxial	7/38 SPCW .012 (.057)	Extruded PTFE .102 (2.59)	Single 38 SPC .120 (3.05)	Extruded PFA .141 (3.58)	18.3 (27.2)
M17/138-00001	S50-7/0067CSPA	50 Ω coaxial	7/0067 SPCW .020 (.159)	Extruded PTFE .060 (1.52)	Single 38 SPC .078 (1.98)	Extruded PFA .098 (2.49)	9.89 (14.7)
M17/139-00001	U95-738BCCBPA	95 Ω coaxial	7/38 SPBC .012 (.057)	Extruded PTFE .102 (2.59)	Single 38 SP CAD BR .120 (3.05)	Extruded PFA .141 (3.58)	18.4 (27.4)
M17/152-00001	S50-7/0067CSSXE	50 Ω coaxial	7/0067 SPCW .020 (.159)	Extruded PTFE .060 (1.52)	Double 38 SPC .096 (2.44)	Extruded FEP .114 (2.90)	15.7 (23.4)
M17/158-00001	RGU-142	50 Ω coaxial	Solid SPCW .037 (.694)	Extruded PTFE .116 (2.95)	Double 36 SPC .162 (4.11)	Extruded FEP .195 (4.95)	41.2 (61.3)
M17/169-00001	RGU-178	50 Ω coaxial	7/38 SPCW .012 (.057)	Extruded PTFE .033 (.838)	Single 38 SPC .051 (1.30)	Extruded FEP .071 (1.80)	5.41 (8.05)
M17/170-00001	RGU-303	50 Ω coaxial	Solid SPCW .037 (.694)	Extruded PTFE .116 (2.95)	Single 36 SPC .138 (3.51)	Extruded FEP .170 (4.32)	30.0 (44.6)
M17/171-00001	RGU-304	50 Ω coaxial	Solid SPCW .059 (1.76)	Extruded PTFE .185 (4.70)	Double 34 SPC .240 (6.10)	Extruded FEP .280 (7.11)	89.1 (133)
M17/172-00001	RGU-316	50 Ω coaxial	7/0067 SPCW .020 (.159)	Extruded PTFE .060 (1.52)	Single 38 SPC .078 (1.98)	Extruded FEP .098 (2.49)	9.89 (14.7)
M17/174-00001	RGU-393	50 Ω coaxial	7/0312 SPC .094 (3.45)	Extruded PTFE .285 (7.24)	Double 34 SPC .340 (8.64)	Extruded FEP .390 (9.91)	160 (238)
M17/175-00001	RGU-400	50 Ω coaxial	19/32 SPC .038 (.616)	Extruded PTFE .116 (2.95)	Double 36 SPC .162 (4.11)	Extruded FEP .195 (4.95)	41.9 (62.4)
M17/176-00002	77-1936TF(2)TFPA	77 Ω twinax	19/36 SPTF .024 (.241)	Extruded PTFE .042 (1.07)	Single 38 SPTF .100 (2.54)	Extruded PFA .125 (3.18)	15.8 (23.5)

Dimensions in inches (mm). Weights in pounds/1000 feet (Kg/1000 M). All values are nominal unless otherwise indicated.

FEP: Fluorinated Ethylene Propylene. • PFA: Perfluoroalkoxy. • PTFE: Polytetrafluoroethylene. • SPC: Silver-plated copper.

SP CAD BR: Silver-plated cadmium bronze. • SPCW: Silver-plated copperweld (copper-covered steel).

SPTF: Silver-plated high-strength copper alloy.