

INCH-POUND

MIL-C-17/133D
AMENDMENT 3
19 October 2000
SUPERSEDING
AMENDMENT 2
1 March 1994

MILITARY SPECIFICATION SHEET

CABLE, RADIO FREQUENCY, COAXIAL, 0.0865 INCH (2.20mm)
DIAMETER, SEMIRIGID, 50 OHMS

This amendment forms a part of MIL-C-17/133D, 17 January 1992, and
is approved for use by all Departments and Agencies of the Department of Defense.

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* Table I, add the following new part numbers:

Part number	Inner conductor	Dielectric core	Outer conductor <u>1/</u>	Weight, per 1,000 feet, (maximum)
M17/133-00012	Solid, silver-coated Copper-clad steel Diameter, .0201 ± .0005 Inch.	Type F-1 diameter, .066 ± .002 inch.	Seamless aluminum tubing <u>7/</u> diameter, .0865 ± .001 inch	7.5
M17/133-00013	Same as above	Same as above	Seamless aluminum tubing <u>7/</u> Diameter, .0865 +.002 -.001 inch Tin Plated in accordance with ASTM-B545, .0003 Minimum inch thick	8.0
M17/133-00014	.0201 ± .0005 inch diameter. <u>4/</u>	Same as above	Seamless aluminum tubing <u>7/</u> diameter, .0865 ± .001 inch	7.5
M17/133-00015	Same as above	Same as above	Seamless aluminum tubing <u>7/</u> Diameter, .0865 +.002 -.001 inch Tin Plated in accordance with ASTM-B545, .0003 Minimum inch thick.	8.0
M17/133-00016	Solid, silver-coated Copper-clad steel Diameter, .0201 ± .0005 Inch.	Same as above	Copper tubing, diameter <u>3/</u> .0865 + .002 inch, -.001 inch, silver plated in accordance with QQ-S-365, Type II, Grade A, 300μ inches, Minimum.	15.8
M17/133-00017	.0201 ± .0005 inch diameter. <u>4/</u>	Same as above	Copper tubing, diameter <u>3/</u> .0865 + .002 inch, - .001 inch, silver plated in accordance with QQ-S-365, Type II, Grade A, 300μ inches, Minimum.	15.8

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Part number	Inner conductor	Dielectric core	Outer conductor	Weight, per 1,000 feet (maximum)
M17/133-00018	Solid, silver-coated Copper-wire Diameter, $.0201 \pm .0005$ Inch.	Type F-1 diameter, $.066 \pm .002$ inch.	Copper tubing <u>2/</u> <u>3/</u> Diameter $.0865 +.002, -.001$ inch, 90/10 tin-plated in accordance with SAE-AMS-P-81728, .0003 inch thick minimum.	15.7

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Table I, Part number M17/133-00011, delete note "3/" and substitute "6/".

Table I, at the end of footnote 2/, add the following sentence:

"33,000 psi, minimum, 30 percent elongation, maximum."

Table I, following footnote 6/, add:

"7/ The tensile strength (outer conductor) shall be 15,500 psi, maximum, 40 percent elongation minimum measured over 2 inches."

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Eccentricity, delete "8.5 percent, maximum." And substitute "8 percent, maximum."

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Figure 2, Power rating and attenuation, delete and substitute the following:

1. M17/133-RG405, 00001, 00002, 00003, 00006 through 00009, 00012, 00013, 00016 and 00018.
2. M17/133-00004, 00005, 00010, 00011, 00014, 00015 and 00017."

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Bendability, add the following: "Mandrel diameter .140 inch maximum for -00012 through -00015."

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CONCLUDING MATERIAL

Custodians:

Army – CR
Navy – EC
Air Force – 11
DLA – CC

Preparing activity:

DLA – CC

(Project 6145-2274-02)

Review activities:

Army – AR, AT, CR4, MI
Navy – AS, MC, OS, SH
Air Force – 19, 99