

MIL-C-17 COAXIAL CABLES



A Tensolite coaxial cable is a transmission line in which one conductor is centered inside and insulated from an outer flexible metal braid that serves as the second outer conductor.

The basic dielectric material for coaxial cables supplied by Tensolite is PTFE because of its electrical and mechanical performance. Some attractive properties of PTFE are extremely low loss, high dielectric strength, no measurable water absorption, and electrical efficiency at both high and low temperatures.

Common Conductors*	Shield Wires:	Jacket
Solid or Stranded	Silver Coated Copper	FEP
Silver Coated Copper Covered Steel		PFA
Silver Coated Copper		
Silver Coated Copper Alloy		

*Other conductor materials may be used to give maximum strength, flexibility and conductivity properties to completed cable.

Description (Tensolite Part Number)	AWG	Conductor Construction	Swept Version Yes/No	Impedance
M17/60-RG142	18	Solid	yes	50 ohms
M17/86-00001	12	Stranded	no	50 ohms
M17/93-RG178	30	Stranded	yes	50 ohms
M17/94-RG179	30	Stranded	no	75 ohms
M17/95-RG180	30	Stranded	no	95 ohms
M17/110-RG302	22	Solid	no	75 ohms
M17/111-RG303	18	Solid	yes	50 ohms
M17/113-RG316	25	Stranded	yes	50 ohms
M17/127-RG393	12	Stranded	yes	50 ohms
M17/128-RG400	20	Stranded	yes	50 ohms
M17/136-00001	30	Stranded	no	75 ohms
M17/137-00001	30	Stranded	no	95 ohms
M17/152-00001	25	Stranded	yes	50 ohms
M17/158-00001	18	Solid	no	50 ohms
M17/169-00001	30	Stranded	no	50 ohms
M17/170-00001	18	Solid	no	50 ohms
M17/172-00001	25	Stranded	no	50 ohms
M17/174-00001	12	Stranded	no	50 ohms
M17/175-00001	20	Stranded	no	50 ohms
M17/176-00002	24	Stranded	no	77 ohms balanced line