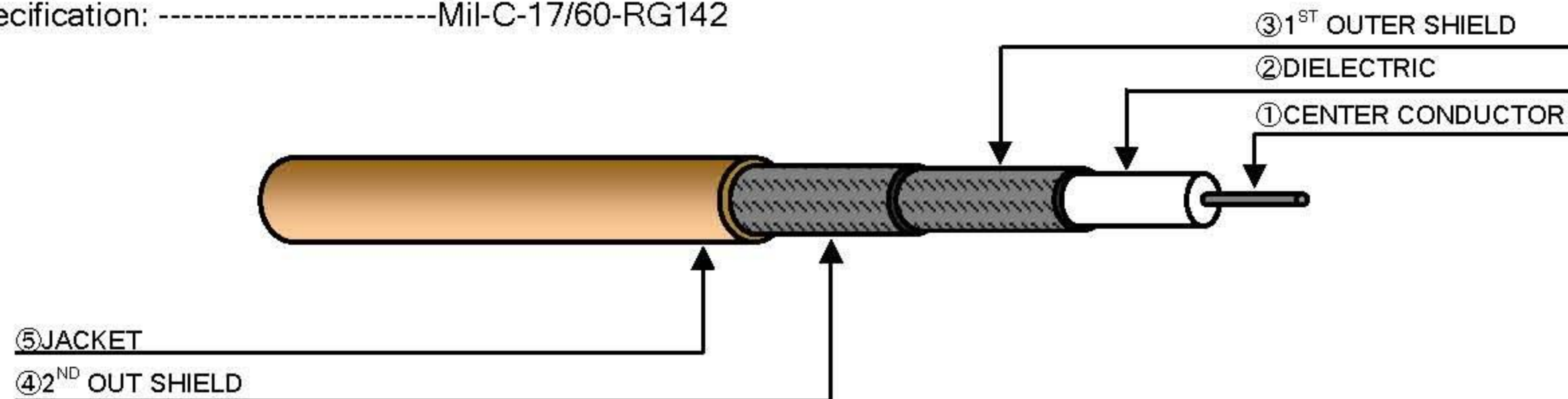


RG-142

Description: RG CABLE 4.95mm(0.194inch) / 50 Ohm
Specification: -----Mil-C-17/60-RG142



CONSTRUCTION

No.	ITEM	MATERIAL	DIAMETER	REMARK
①	CENTER CONDUCTOR	SPCW	$0.95 \pm 0.02\text{mm}$	Strand 1/0.939mm
②	DIELECTRIC	PTFE	$2.95 \pm 0.15\text{mm}$	SOLID
③	1 st OUTER SHIELD	SPC	$3.60 \pm 0.15\text{mm}$	94.8%(nom.)
	2 nd OUTER SHIELD	SPC	$4.23 \pm 0.15\text{mm}$	93.1%(nom.)
④	JACKET	FEP	$4.95 \pm 0.20\text{mm}$	BROWN

* SPCW: Silver Plated Copper clad steel Wire
* PTFE: PolyTetraFluorEthylene
* SPC: Silver Plated Copper
* FEP: Fluorinated Ethylene Propylene

ELECTRICAL DATA

ITEM	SPECIFICATION		
CAPACITANCE	89.5 pF/m (27.3 pF/FT) (nom.)		
CHARACTERISTIC IMPEDANCE	$50 \pm 3 \ \Omega$		
OPERATING FREQUENCY	8 GHz		
OPERATING TEMP	$-40^{\circ}\text{C} \sim +165^{\circ}\text{C}$		
OPERATING VOLTAGE	2,300 vrms (max.)		
SHIELDING EFFECTIVENESS	-90dB		
RoHS Compliance	YES		
WEIGHT	52.0 kg/Km		
MAXIMUM ATTENUATION	Frequency (MHz)	dB/100ft (dB/M)	Power (Watts)
	100	3.9(0.13)	2400
	200	5.6(0.18)	1100
	400	6.9(0.23)	-
	700	11.0(0.36)	-
	1,000	13.5(0.44)	650
	2,000	21.6(0.71)	-
	3,000	27.7(0.91)	330
	5,000	37.4(1.23)	-