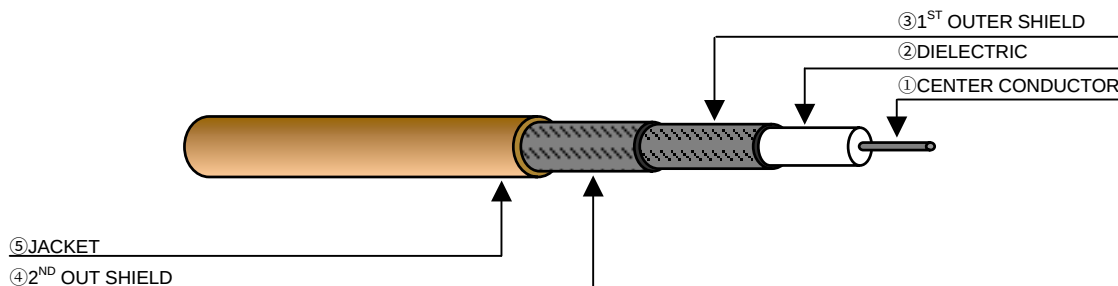




RG-142

Description: RG CABLE 4.95mm(0.194inch) / 50 Ohm

Specification: -----Mil-C-17/60-RG142



CONSTRUCTION

번호	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°C $+165^{\circ}\text{C}$		
OPERATING VOLTAGE	2,300 vrms (max.)		
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)	-

The data provided in this publication indicates nominal values unless stated otherwise and is only valid for reference purposes at the time of publication and all information is subject to change without prior notice.

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