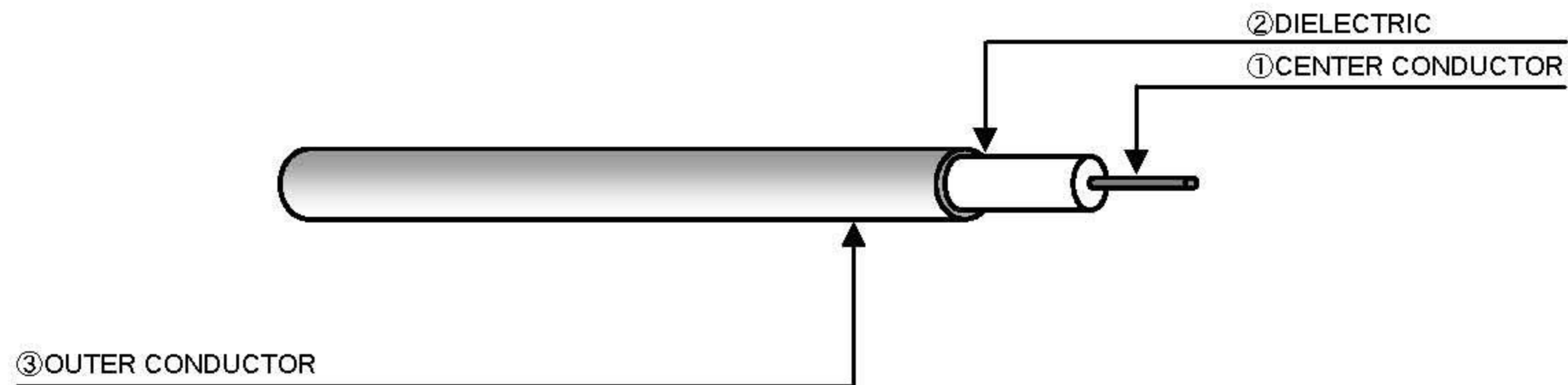


YET-047-TP

Description: Copper Jacketed Semi Rigid 047 Size 50 Ohm Tin Plated
Specification: -----Mil-C-17/151



CONSTRUCTION

No	ITEM	MATERIAL	DIAMETER	REMARK
①	CENTER CONDUCTOR	SPCW	0.29±0.02mm	
②	DIELECTRIC	PTFE	0.92±0.03mm	SOLID
③	OUTER SHIELD	TC	1.19±0.03mm	TUBE/100% COVERAGE

* SPCW: Silver Plated Copper clad steel Wire
* PTFE: PolyTetraFluorEthylene
* TC: Tinned Copper

ELECTRICAL DATA

ITEM	SPECIFICATION		
BEND RADIUS	3.0 mm (min.)		
CONDUCTOR RESISTANCE	207.3 Ohms/Mft at 20°C (max.)		
CAPACITANCE	95.1 pF/m (29.0 pF/ft) (nom.)		
CHARACTERISTIC IMPEDANCE	50 +/- 3 ohms		
CORONA EXTINCTION VOLTAGE	1,000 vrms @ 60 Hz		
OPERATING FREQUENCY	20 GHz (max.)		
OPERATING TEMP	-40°C ~ +125°C		
VELOCITY OF PROPAGATION	69.5% (nom.)		
VOLTAGE WITHSTANDING	3,500 vrsm @ 60 Hz		
RoHS Compliance	YES		
WEIGHT	5.6 kg/km (0.47 lbs/100ft)		
MAXIMUM ATTENUATION	Frequency (MHz)	dB/100ft (dB/M)	Power (Watts)
	500	23.1(0.75)	66.5
	1,000	33.4(1.09)	47.0
	5,000	79.3(2.60)	21.9
	10,000	114.5(3.75)	15.3
	20,000	168.2(5.51)	10.5