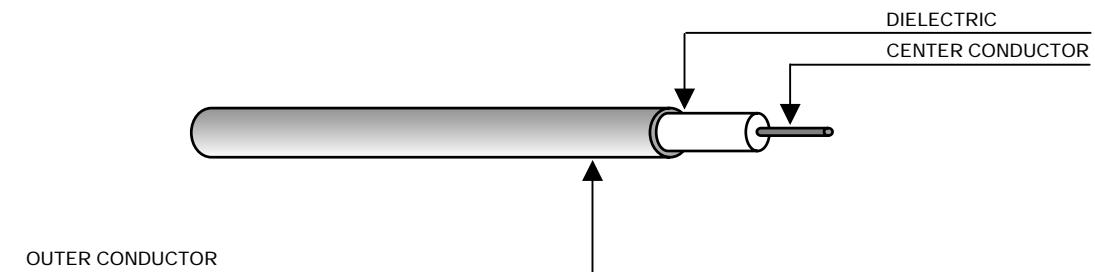




YET-141/50-TP

Description: Copper Jacketed Semi Rigid 141 Size 50 Ohm Tin Plated
Specification: -----Mil-C-17/130



CONSTRUCTION

ITEM	MATERIAL	DIAMETER	REMARK
CENTER CONDUCTOR	SPCW	$0.92 \pm 0.013\text{mm}$	
DIELECTRIC	PTFE	$2.98 \pm 0.050\text{mm}$	SOLID
OUTER SHIELD	TC	$3.58 \pm 0.050\text{mm}$	TUBE/100% COVERAGE

* SPCW: Silver Plated Copper clad steel Wire

* PTFE: PolyTetraFluorEthylene

* TC: Tinned Copper

ELECTRICAL DATA

ITEM	SPECIFICATION		
BEND RADIUS	6.5 mm (min.)		
CONDUCTOR RESISTANCE	20.4 Ohms/Mft at 20 (max.)		
CAPACITANCE	95.1 pF/m (29.0 pF/ft) (nom.)		
CHARACTERISTIC IMPEDANCE	50 +/- 2 ohms		
CORONA EXTINCTION VOLTAGE	7,500 vrms @ 60 Hz		
OPERATING FREQUENCY	33 GHz (max.)		
OPERATING TEMP	-40° C +125° C		
VELOCITY OF PROPAGATION	69.5% (nom.)		
VOLTAGE WITHSTANDING	7,500 vrms @ 60Hz		
WEIGHT	46.7 kg/km (3.14 lbs/100ft)		
MAXIMUM ATTENUATION	Frequency (MHz)	dB/100ft (dB/M)	Power (Watts)
	500	8(0.26)	600
	1,000	12(0.39)	450
	5,000	29(0.95)	180
	10,000	45(1.48)	120
	20,000	70(2.30)	70

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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