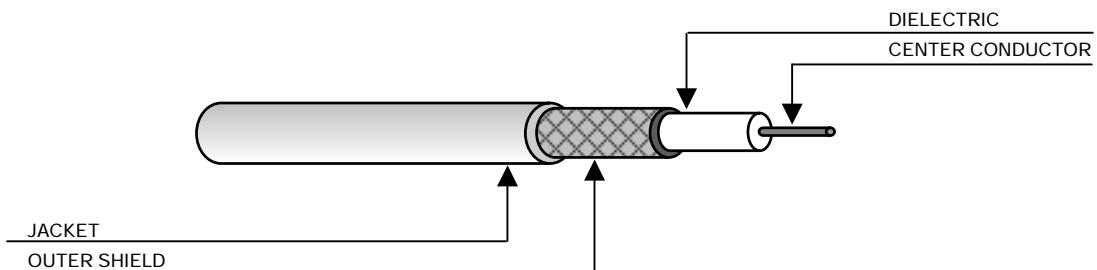




YESF-141/50

Description: Unjacketed Semi Flexible (Hand Formable) 141 Size
Specification: -----RG402 (Mil-C-17/130) Type



CONSTRUCTION

ITEM	MATERIAL	DIAMETER	REMARK
CENTER CONDUCTOR	SPCW	$0.94 \pm 0.013\text{mm}$	
DIELECTRIC	PTFE	$3.02 \pm 0.050\text{mm}$	SOLID
OUTER SHIELD	TC	$3.56 \pm 0.050\text{mm}$	BRAID/100% COVERAGE
JACKET	PVC/FEP	$4.58 \pm 0.050\text{mm}$	BLACK/BLUE/CLEAR/RED

* SPCW: Silver Plated Copper clad steel Wire

* PTFE: PolyTetraFluorEthylene

* TC: Tinned Copper

* PVC: Polyvinyl Chloride

* FEP: Fluorinated Ethylene Propylene

ELECTRICAL DATA

ITEM	SPECIFICATION		
BEND RADIUS	7.0 mm (min)		
CONDUCTOR RESISTANCE	19.3 Ohms/Mft at 20	(max.)	
CAPACITANCE	95.1 pF/m (29.0 pF/ft) (nom.)		
CHARACTERISTIC IMPEDANCE	50 +- 2 ohms		
DIELECTRIC CONSTANT	2.07 (nom.)		
OPERATING FREQUENCY	30 GHz (max.)		
OPERATING TEMP	-40° C	+125° C	
VELOCITY OF PROPAGATION	69.5 % (nom.)		
VOLTAGE WITHSTANDING	7,500 vrms @ 60 Hz		
WEIGHT	39 kg/km (2.4lbs/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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