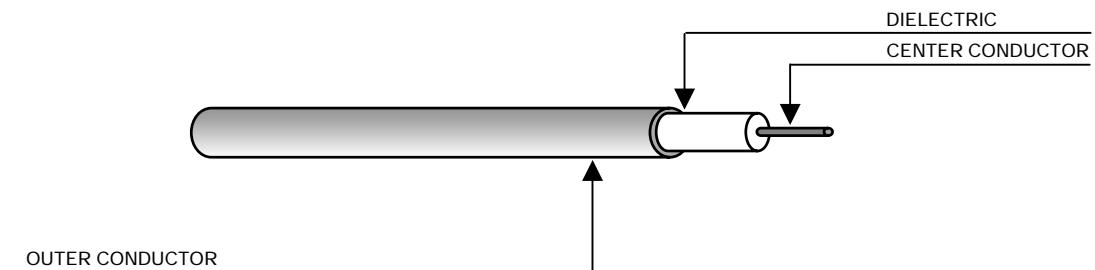




## YET-085/50-TP

Description: Copper Jacketed Semi Rigid 085 Size 50 Ohm Tin Plated  
Specification: -----Mil-C-17/133



### CONSTRUCTION

ITEM	MATERIAL	DIAMETER	REMARK
CENTER CONDUCTOR	SPCW	$0.51 \pm 0.005\text{mm}$	
DIELECTRIC	PTFE	$1.68 \pm 0.030\text{mm}$	SOLID
OUTER CONDUCTOR	TC	$2.20 \pm 0.025\text{mm}$	TUBE/100% COVERAGE

\* SPCW: Silver Plated Copper clad steel Wire

\* PTFE: PolyTetraFluorEthylene

\* TC: Tinned Copper

### ELECTRICAL DATA

ITEM	SPECIFICATION		
BEND RADIUS	3.5 mm (min.)		
CONDUCTOR RESISTANCE	64.25 Ohms/Mft at 20 (max.)		
CAPACITANCE	95.1 pF/m (29.0 pF/ft) (nom.)		
CHARACTERISTIC IMPEDANCE	50 +/- 2 ohms		
CORONA EXTINCTION VOLTAGE	1,500 vrms @ 60 Hz		
OPERATING FREQUENCY	20 GHz (max.)		
OPERATING TEMP	-40 +125		
VELOCITY OF PROPAGATION	69.5% (nom.)		
VOLTAGE WITHSTANDING	5,000 vrsm @ 60 Hz		
WEIGHT	20.2 kg/km (1.36 lbs/100ft)		
MAXIMUM ATTENUATION	Frequency (MHz)	dB/100ft (dB/M)	Power (Watts)
	500	15(0.49)	180
	1,000	22(0.72)	130
	5,000	50(1.64)	54
	10,000	80(2.62)	35
	20,000	130(4.27)	20

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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