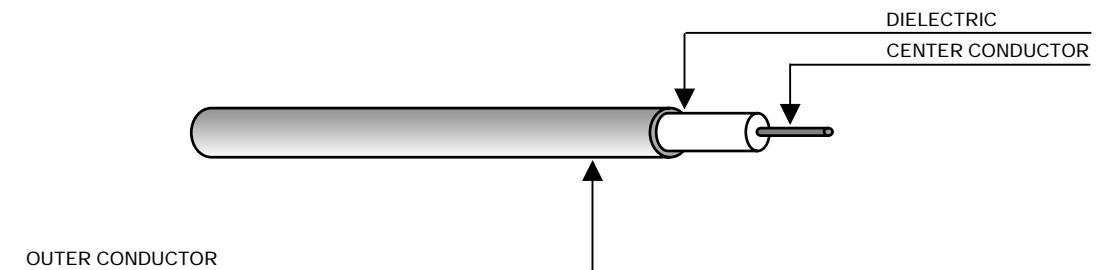




YET-085/75-TP

Description: Copper Jacketed Semi Rigid 085 Size 75 Ohm Tin Plated



CONSTRUCTION

ITEM	MATERIAL	DIAMETER	REMARK
CENTER CONDUCTOR	SPCW	$0.28 \pm 0.005\text{mm}$	
DIELECTRIC	PTFE	$1.72 \pm 0.030\text{mm}$	SOLID
OUTER SHIELD	TC	$2.18 \pm 0.025\text{mm}$	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	205 Ohms/Mft at 20 (max.)		
CAPACITANCE	63.5 pF/m (19.3 pF/ft) (nom.)		
CHARACTERISTIC IMPEDANCE	75 \pm 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	2,500 vrms @ 60 Hz		
WEIGHT	17.9 kg/km (1.2 lbs/100ft)		
MAXIMUM ATTENUATION	Frequency (MHz)	dB/100ft (dB/M)	Power (Watts)
	500	13.0(0.42)	174.9
	1,000	19.3(0.63)	122.8
	5,000	49.6(1.62)	51.1
	10,000	72.6(2.38)	33.2
	20,000	107.3(3.52)	21.9

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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