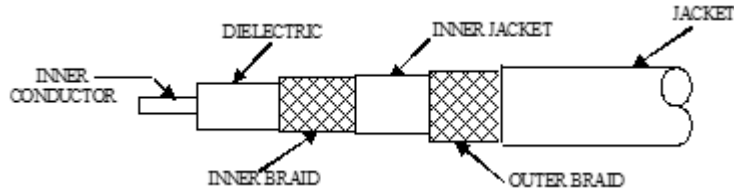


**TROMPETER SPECIFICATION SHEET
CABLE, RADIO FREQUENCY, TRIAXIAL
TRC-50-1**



REQUIREMENTS:

1. IMPEDENCE ----- 50 ± 2 OHMS
2. OPERATING VOLTAGE ----- 1000 VRMS/2000 VDC
3. BEND RADIUS ----- $\frac{3}{4}$ INCH MIN
4. CAPACITANCE ----- 29.5 PF/FT NOM
5. VELOCITY OF PROPAGATION ----- 66% NOM
6. ATTENUATION:

FREQUENCY	db/100 FT NOM	FREQUENCY	db/100 FT NOM
1 MHz	2.80	40 MHz	7.50
3 MHz	3.10	50 MHz	9.10
4 MHz	3.30	100 MHz	14.00
5 MHz	3.40	200 MHz	22.00
7 MHz	3.70	500 MHz	40.00
10 MHz	4.10	700 MHz	50.00
20 MHz	5.50	1000 MHz	63.00
30 MHz	7.00		
7. INNER CONDUCTOR DC RESISTANCE ----- 64.9 OHMS/1000 FT
8. OPERATING TEMPERATURE RANGE ----- -40° C TO $+75^{\circ}$ C
9. WEIGHT ----- 17.0 LB/1000 FT
10. MARK: TROMPETER ELECTRONICS TRIAX TRC-50-1 (*)

(*) VENDOR I.D. CODE

DESCRIPTION	CONSTRUCTIONAL DETAILS
INNER CONDUCTOR	7 STRANDS OF AWG SIZE 36 TINNED COPPER WIRE. NOM O.D. .015
DIELECTRIC	SOLID CLEAR POLYETHYLENE .047 $\pm$.002 O.D.
INNER BRAID	SINGLE BRAID, AWG 38 TINNED COPPER WIRE, SHIELD COVERAGE 93% NOM. O.D. .069 MAX
INNER JACKET	CLEAR POLYETHYLENE .101 $\pm$.005 O.D.
OUTER BRAID	SINGLE BRAID, AWG SIZE 38 TINNED COPPER WIRE. SHIELD COVERAGE 93% MIN. NOM O.D. .121
JACKET	YELLOW (PER EIA-359-A, MUNSELL COLOR CHART, SYMBOL CENTROID) POLYVINYLCHLORIDE. OUTSIDE DIA .156 $\pm$.005



DWN	DKC	8-21-95	MATERIAL	CODE IDENT	DRAWING NO.	REV
CHK				14949	TRC-50-1	D
ENG			SCALE -----	DATE	1-12-77	SHEET
APPR						