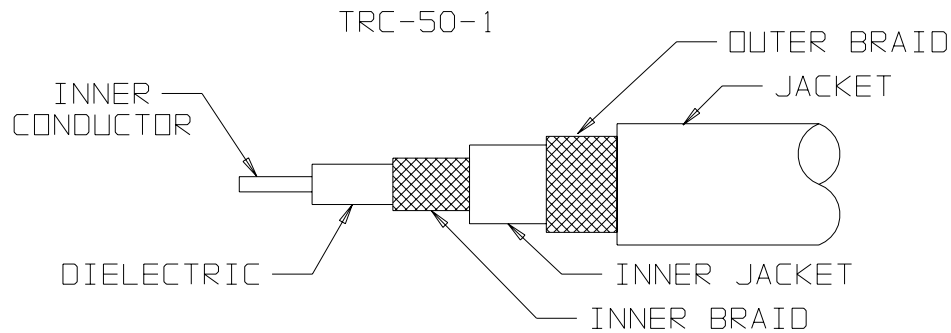


TROMPETER SPECIFICATION SHEET CABLE, RADIO FREQUENCY, TRIAXIAL



REQUIREMENTS:

1. IMPEDANCE - - - - - 50 \pm 2 ohms
2. OPERATING VOLTAGE - - - - - 1000 VRMS/2000 VDC
3. BEND RADIUS - - - - - 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°C
9. WEIGHT - - - - - 17.0 LB/1000 FT
10. MARK TROMPETER ELECTRONICS TRIAX TRC-50-1 (*)

(*) VENDOR I.D. CODE

TABLE 1

DESCRIPTION	CONSTRUCTION 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 SIZE 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 POLYVINYLCHLORIDE. OUTSIDE DIA .156 \pm .005

**TROMPETER
ELECTRONICS, INC.**

DWN	DKC	8-21-95
CHK		
ENGR		
APPR		

MATERIAL

SCALE

CODE IDENT

14949

DRAWING NO.

TRC-50-1

REV

C

DATE 1-12-77

SHEET

DATE

APPR

DKC

DWN

EO 11262

REC C

Mouser Electronics

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