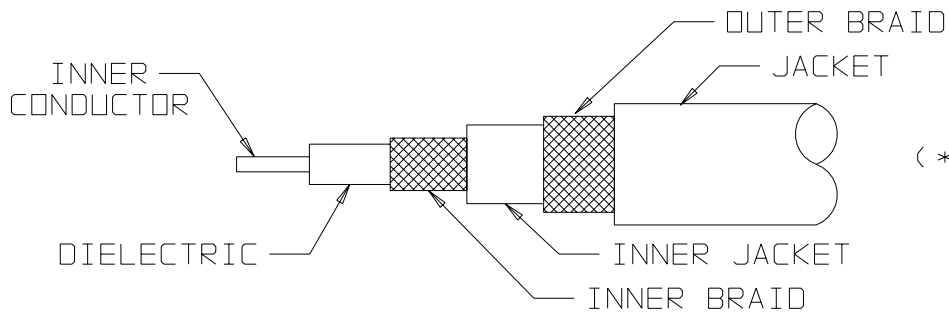


TROMPETER SPECIFICATION SHEET  
CABLE, RADIO FREQUENCY, TRIAXIAL

TRC-50-2

MARK: TROMPETER ELECTRONICS TRIAX TRC-50-2 (\*)



(\*) VENDOR  
I.D. CODE

REQUIREMENTS:

1. IMPEDANCE - - - - - 50 ±2 ohms
2. OPERATING VOLTAGE - - - - - 6 KVDC & 2 KVRMS
3. BEND RADIUS - - - - - 1.25 INCH MIN
4. CAPACITANCE - - CENTER COND TO INNER BRAID - 32 PF/FT  
 CENTER COND TO OUTER BRAID - 27 PF/FT  
 \*INNER BRAID TO OUTER BRAID - 149 PF/FT
5. VELOCITY OF PROPAGATION - - - - - 66% NOM
6. ATTENUATION: 

FREQUENCY	dB/100 FT NOM	FREQUENCY	dB/100 FT NOM
1 MHz	0.50	40 MHz	3.40
3 MHz	0.80	50 MHz	3.90
4 MHz	0.90	100 MHz	5.80
5 MHz	1.10	200 MHz	8.80
7 MHz	1.30	500 MHz	15.30
10 MHz	1.50	700 MHz	18.00
20 MHz	2.30	1000 MHz	23.00
30 MHz	2.90		
7. INNER CONDUCTOR DC RESISTANCE - - - 10.5 ohms/1000 FT
8. OPERATING TEMPERATURE RANGE -40° C TO +80° C
9. WEIGHT - - - - - 45.23 LB/1000 FT

\* INNER BRAID UNGROUNDED

TABLE 1

DESCRIPTION	CONSTRUCTION DETAILS
INNER CONDUCTOR	7 STRANDS OF .012 TINNED COPPER WIRE. O.D. .037 ±.001
DIELECTRIC	SOLID CLEAR POLYETHYLENE .116 ±.004 DIA
INNER BRAID	SINGLE BRAID, AWG SIZE 36 TINNED COPPER WIRE. SHIELD COVERAGE 93% NOM MAX O.D. .146
INNER JACKET	CLEAR POLYETHYLENE .175 ±.005 O.D.
OUTER BRAID	SINGLE BRAID, AWG SIZE 36 TINNED COPPER WIRE. SHIELD COVERAGE 93% NOM .210 DIA MAX
JACKET	YELLOW POLYVINYLCHLORIDE. OUTSIDE DIA .245 ±.005

**TROMPETER  
ELECTRONICS, INC.**

DWN	DKC	9-9-94	MATERIAL	CODE IDENT	DRAWING NO.	REV
CHK			_____	<b>14949</b>	TRC-50-2	F
ENGR						
APPR			SCALE _____	DATE 10-4-76	SHEET	

DATE

APPR

DWN DKC

ED 10897

REV F

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