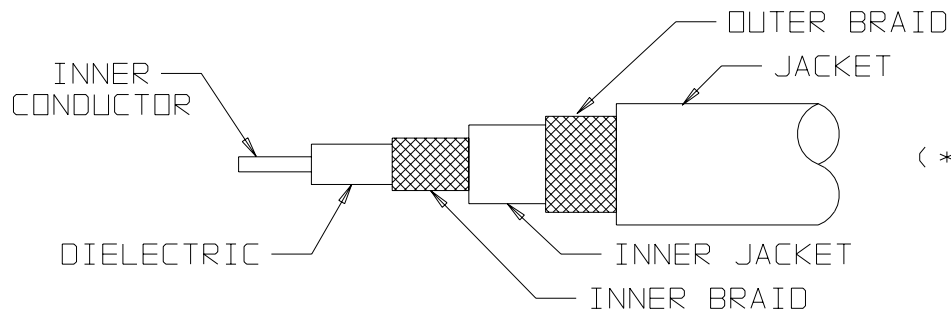


TROMPETER SPECIFICATION SHEET
CABLE, RADIO FREQUENCY, TRIAXIAL

TRC-50-2

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



(*) VENDOR
I.D. CODE

REQUIREMENTS:

1. IMPEDANCE - - - - - 50 \pm 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 \pm .001
DIELECTRIC	SOLID CLEAR POLYETHYLENE .116 \pm .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 \pm .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 \pm .005

TROMPETER
ELECTRONICS, INC.

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

DATE

APPR

DWN DKC

ED 10897

REV F

Mouser Electronics

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