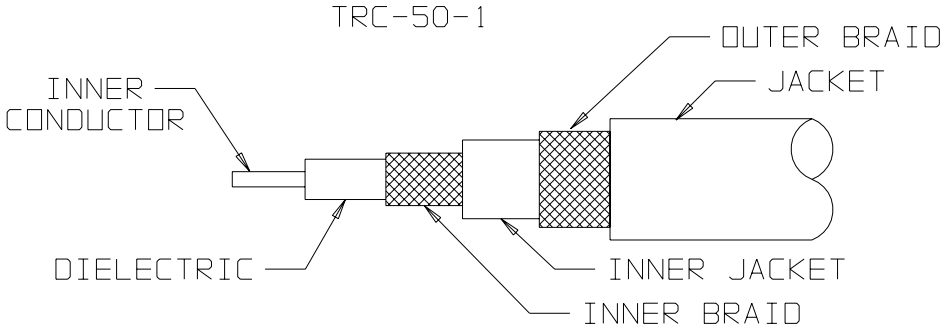
TROMPETER SPECIFICATION SHEET
CABLE, RADIO FREQUENCY, TRIAXIAL

TRC-50-1



REQUIREMENTS:

1. IMPEDANCE - - - - - - - - - - - - - - - - 50 ±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 ±.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 ±.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 ±.005

REC C | EO 11262 | DWN DKC | APPR | DATE

TROMPETER RF connectivity
a cinch connectivity solutions brand

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

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