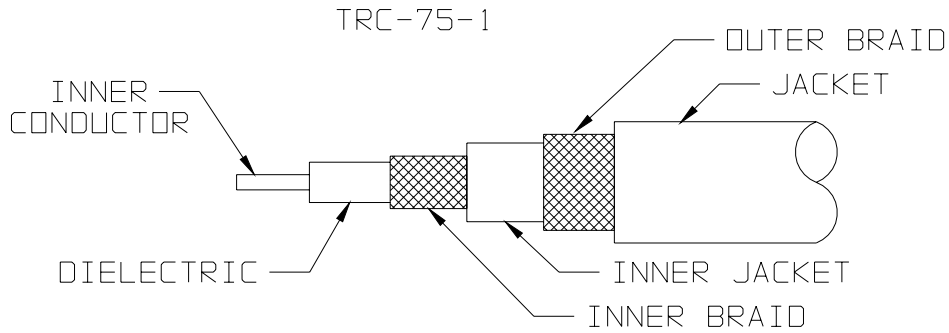


TROMPETER SPECIFICATION SHEET  
CABLE, RADIO FREQUENCY, TRIAXIAL



REQUIREMENTS:

1. IMPEDANCE - - - - - 75 ±5 ohms
2. OPERATING VOLTAGE - - - - - 1000 VRMS/2000 VDC
3. BEND RADIUS - - - - - 1 INCH MIN
4. CAPACITANCE - - - - - 20 pf/FT NOM
5. VELOCITY OF PROPAGATION - - - - - 66% NOM
6. ATTENUATION: 

FREQUENCY	dB/100 FT NOM	FREQUENCY	dB/100 FT NOM
1 MHz	0.90	40 MHz	5.40
3 MHz	1.30	50 MHz	6.10
4 MHz	1.50	100 MHz	9.70
5 MHz	1.70	200 MHz	16.50
7 MHz	1.90	500 MHz	28.50
10 MHz	2.40	700 MHz	36.00
20 MHz	3.60	1000 MHz	45.00
30 MHz	4.50		
7. INNER CONDUCTOR DC RESISTANCE - - - 112.3 ohms/1000 FT
8. OPERATING TEMPERATURE RANGE -40° C TO +80° C
9. WEIGHT - - - - - 24.8 LB/1000 FT
10. MARK: TROMPETER ELECTRONICS TRIAX, TRC-75-1 (\*)

(\*) VENDOR I.D. CODE

TABLE 1

DESCRIPTION	CONSTRUCTION DETAILS
INNER CONDUCTOR	7 STRANDS OF AWG SIZE 38 TINNED COPPER WIRE. NOM O.D. .012
DIELECTRIC	SOLID CLEAR POLYETHYLENE .073 ±.003 O.D.
INNER BRAID	SINGLE BRAID, AWG SIZE 38 TINNED COPPER WIRE. SHIELD COVERAGE 93% MIN. NOM O.D. .0935
INNER JACKET	CLEAR POLYETHYLENE .130 ±.005 O.D.
OUTER BRAID	SINGLE BRAID, AWG SIZE 38 TINNED COPPER WIRE. SHIELD COVERAGE 93% MIN. NOM O.D. .150
JACKET	YELLOW POLYVINYLCHLORIDE. OUTSIDE DIA .189 ±.005



DWN	DKC	2-7-96	MATERIAL	CODE IDENT	DRAWING NO.	REV
CHK			_____	<b>14949</b>	TRC-75-1	F
ENGR				DATE 2-22-77	SHEET	
APPR			SCALE _____			

DATE

APPR

DWN DKC

EO 11508

REV F