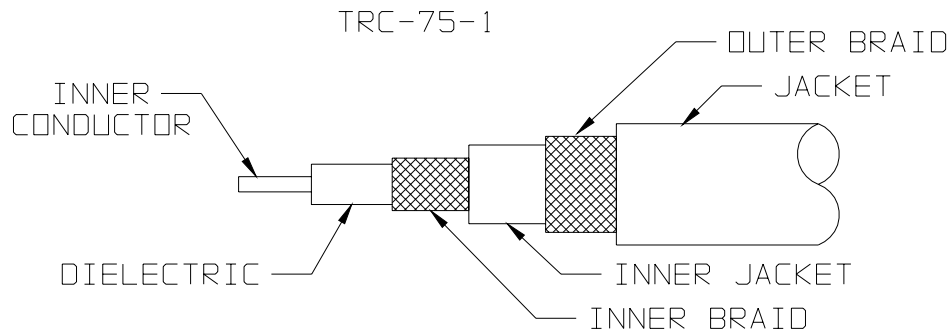


TROMPETER SPECIFICATION SHEET CABLE, RADIO FREQUENCY, TRIAXIAL



REQUIREMENTS:

1. IMPEDANCE - - - - - 75 \pm 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 \pm .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 \pm .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 \pm .005

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Cinch Connectivity Solutions:](#)

[TRC-75-1](#) [TRC-75-1/1000](#)