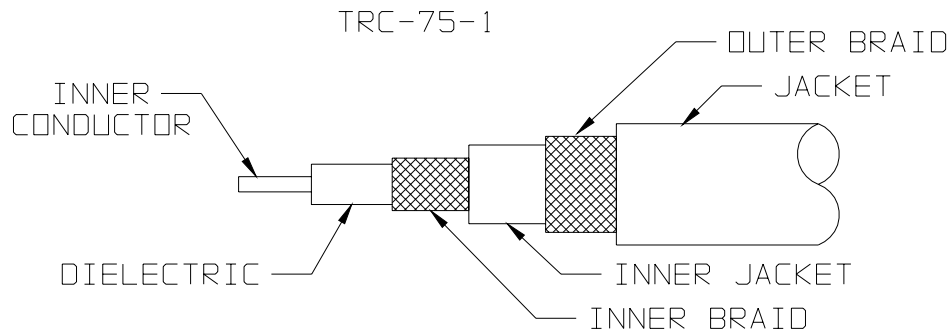


TROMPETER SPECIFICATION SHEET
CABLE, RADIO FREQUENCY, TRIAXIAL



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 |

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