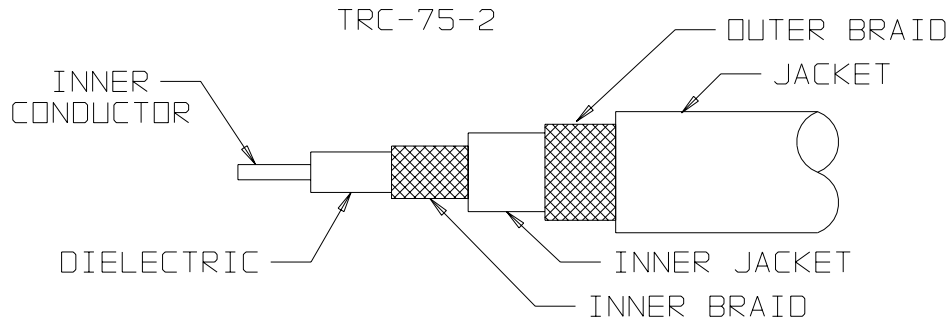


TROMPETER SPECIFICATION SHEET
CABLE, RADIO FREQUENCY, TRIAXIAL



REQUIREMENTS:

1. IMPEDANCE - - - - - 75 ±2 ohms
2. OPERATING VOLTAGE - - - - - 6 KVDC MAX & 2 KVRMS MAX
3. BEND RADIUS - - - - - 1.25 INCH MIN
4. CAPACITANCE - - CENTER COND TO INNER BRAID - 20.5 PF/FT
 CENTER COND TO OUTER BRAID - 16.7 PF/FT
 *INNER BRAID TO OUTER BRAID - 101.3 PF/FT
5. VELOCITY OF PROPAGATION - - - - - 66% NOM
6. ATTENUATION:

| FREQUENCY | dB/100 FT NOM | FREQUENCY | dB/100 FT NOM |
|-----------|---------------|-----------|---------------|
| 1 MHz | 0.48 | 30 MHz | 2.90 |
| 3 MHz | 0.88 | 40 MHz | 3.30 |
| 4 MHz | 1.01 | 50 MHz | 3.60 |
| 5 MHz | 1.10 | 100 MHz | 5.20 |
| 7 MHz | 1.30 | 200 MHz | 7.60 |
| 10 MHz | 1.50 | 500 MHz | 10.80 |
| 20 MHz | 2.30 | 700 MHz | 14.70 |
| | | 1000 MHz | 17.60 |
7. INNER CONDUCTOR DC RESISTANCE - - 44.4 ohms/1000 FT
8. OPERATING TEMPERATURE RANGE -40°C TO +80°C
9. WEIGHT - - - - - 43.02 LB/1000 FT
10. MARK: TROMPETER ELECTRONICS TRIAX TRC-75-2 (*)

* INNER BRAID UNGROUNDED TABLE 1 (*) VENDOR I.D. CODE

| DESCRIPTION | CONSTRUCTION DETAILS |
|-----------------|---|
| INNER CONDUCTOR | 7 STRANDS OF AWG 34 TINNED COPPER WIRE. O.D. .0185 ±.001 |
| DIELECTRIC | SOLID CLEAR POLYETHYLENE .116 ±.004 O.D. |
| INNER BRAID | SINGLE BRAID, AWG SIZE 36 TINNED COPPER WIRE. SHIELD COVERAGE 93% NOM MAX O.D. .146 |
| INNER JACKET | CLEAR POLYETHYLENE .175 ±.005 O.D. |
| OUTER BRAID | SINGLE BRAID, AWG SIZE 36 TINNED COPPER WIRE. SHIELD COVERAGE 93% NOM, NOM O.D. .205 |
| JACKET | YELLOW POLYVINYLCHLORIDE. OUTSIDE DIA .245 ±.005 |



| | | | | | | |
|------|-----|---------|-------------|--------------|-------------|-----|
| DWN | DKC | 8-22-95 | MATERIAL | CODE IDENT | DRAWING NO. | REV |
| CHK | | | _____ | 14949 | TRC-75-2 | E |
| ENGR | | | | | | |
| APPR | | | SCALE _____ | DATE 6-30-77 | SHEET | |

DATE

APPR

DWN DKC

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