

## Excellent Integrated System Limited

Stocking Distributor

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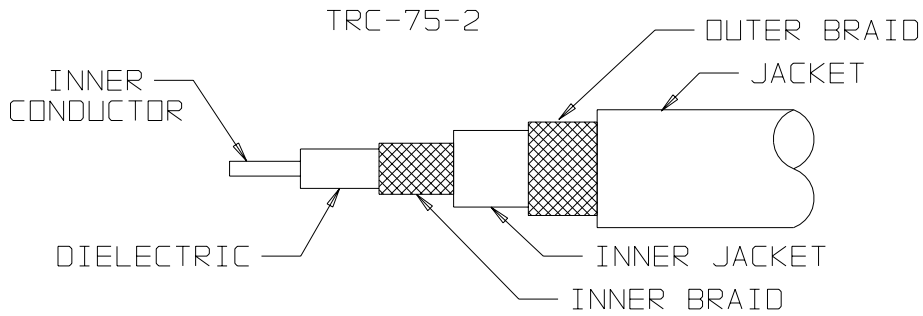
[Cinch Connectivity Solutions](#)

[TRC-75-2](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

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			_____	<b>14949</b>	TRC-75-2	E
ENGR				DATE 6-30-77	SHEET	
APPR			SCALE _____			

DATE

APPR

DWN DKC

ED011263

REV E