

A cross-sectional diagram of a TRC-75-2 cable assembly. The diagram shows a central inner conductor surrounded by a dielectric layer. This is followed by an inner braid, an inner jacket, and an outer jacket. The outer jacket is shown with a braid pattern, indicating it is an outer braid. Labels with arrows point to the following components: INNER CONDUCTOR, DIELECTRIC, INNER BRAID, INNER JACKET, JACKET, and OUTER BRAID.

1.	IMPEDANCE	- - - - -	- - - - -	75 $\pm$ 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

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

10. MARK: TROMPETER ELECTRONICS TRIAX TRC-75-2 (*)

(*) 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
CHK		
ENGR		
APPR		

SCALE —

14949

DATE 6-30-77

TRC-75-2

SHEET

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