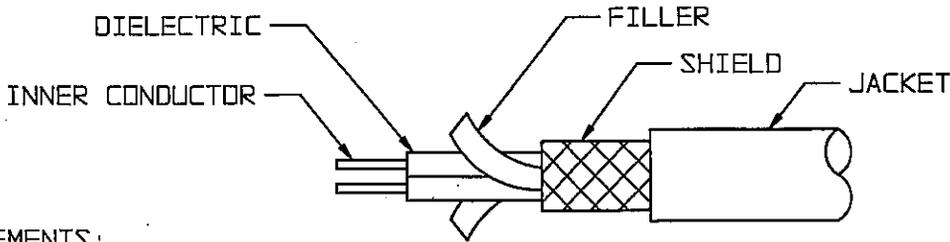


TROMPETER SPECIFICATION SHEET
CABLE, RADIO FREQUENCY, TWIN CONDUCTOR, BALANCED LINE
TWC-124-2



REQUIREMENTS:

1. IMPEDANCE (OF PAIR) - - - - - 124 ±4 ohms
2. OPERATING VOLTAGE - - - - - 1 KVRMS MAX/2 KVDC
3. BEND RADIUS - - - - - 1.25 in. min
4. CAPACITANCE - - - - - COND TO COND - - - - 12.3 PF/FT
ONE COND TO BRAID - - 23 PF/FT
BOTH COND TO BRAID - 38 PF/FT
5. CONDUCTOR LOOP RESISTANCE - - - - - 56.8 ohms/1000 FT MAX
6. VELOCITY OF PROPAGATION - - - - - 66% NOM
7. ATTENUATION:

FREQUENCY	dB/100 FT NOM	FREQUENCY	dB/100 FT NOM
1 MHz	0.54	40 MHz	3.20
3 MHz	0.92	50 MHz	3.60
4 MHz	1.06	100 MHz	5.10
5 MHz	1.18	200 MHz	7.20
7 MHz	1.40	500 MHz	11.40
10 MHz	1.65	700 MHz	13.50
20 MHz	2.30	1000 MHz	16.20
30 MHz	2.80		
8. WEIGHT - - - - - 32.87 LB/1000 FT
9. INSULATION RESISTANCE (MIN)- - COND TO COND - - 20 MEGOHMS/1000 FT
10. OPERATING TEMPERATURE RANGE -40°C TO +80°C
11. MARK: TROMPETER ELECTRONICS TWINAX TWC-124-2 (*)

TABLE 1 (*) VENDOR I.D. CODE

DESCRIPTION	CONSTRUCTION DETAILS
INNER CONDUCTORS	TWO CONDUCTORS, EACH 7 STRANDS OF AWG SIZE 33 TINNED COPPER WIRE. NOM DIA .022
DIELECTRICS	TWO EACH POLYETHYLENE, ONE BLUE AND ONE NATURAL NOM DIA .080
FILLERS	TWO EACH POLYETHYLENE. NOM DIA .050
CABLE CORE	.162 NOM O.D., .167 MAX DIELECTRICS AND FILLERS TO HAVE A 3.00 ±.25 RIGHT-HAND LAY, 4 TWISTS PER FOOT. A NYLON-THREAD WRAP SHALL THEN BE APPLIED WITH SUFFICIENT COVERAGE TO MAINTAIN THE POSITION OF THE COMPONENTS
SHIELD	SINGLE BRAID, (128 STRANDS 16 X 8) AWG SIZE 36 TINNED COPPER WIRE 9.8 PICKS/INCH, 32° BRAID ANGLE, 4.2 ohm/M FT D.C. RESISTANCE. SHIELD COVERAGE 93% NOM, MAX O.D. .195
JACKET	BLUE POLYVINYLCHLORIDE, .245 ± .005 O.D.

**TROMPETER
ELECTRONICS, INC.**

DWN	DKC	9-27-95	MATERIAL	CODE IDENT	DRAWING NO.	REV
CHK	BM	10-27-95	—	14949	TWC-124-2	D
ENGR	—	—	SCALE	DATE 10-31-77	SHEET	
APPR	FL	10/27-95				

CONTROL STAMP

If This Stamp Is Not Red,
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Copy #

DATE 10/27/95

APPR. BM: FL

DWN DKC

REV D EO 11264