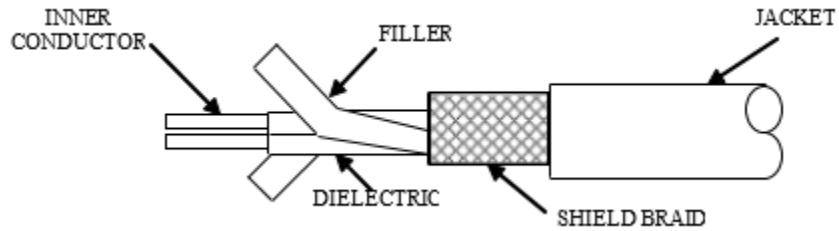


**TROMPETER SPECIFICATION SHEET**  
**PLENUM CABLE, RADIO FREQUENCY, TWIN CONDUCTOR, BALANCED LINE**  
**TWCP-124-2**



**DESCRIPTION:**  
 TWINAXIAL CABLE WITH 24 AWG CONDUCTORS, RADIO FREQUENCY BALANCED LINE

**REQUIREMENTS:**

1. IMPEDENCE (OF PAIR) ----- 124 OHMS NOMINAL
2. OPERATING VOLTAGE ----- 1 KV MAX
3. BEND RADIUS ----- 2.5 INCH MIN
4. CAPACITANCE ----- 11.5 PF/FT NOMINAL
5. CONDUCTOR LOOP RESISTANCE ----- 47 OHMS/1000 FT MAX
6. VELOCITY OF PROPAGATION ----- 70% NOMINAL
7. ATTENUATION: FREQUENCY                      dB/100 FT NOM
 

1 MHz	0.50
3 MHz	0.85
5 MHz	1.10
7 MHz	1.30
10 MHz	1.60
20 MHz	2.30
50 MHz	3.70
75 MHz	4.60
100 MHz	5.30
8. MARK: TROMPETER ELECTRONICS PLENUM CABLE TWCP-124-2 (\*)  
 (\*) VENDOR I.D. CODE

DESCRIPTION	CONSTRUCTIONAL DETAILS
CONDUCTORS	24 AWG 7/32 TINNED COPPER. .024" NOM O.D.
INSULATION	.028" WALL FEP. .080" NOM O.D.
CABLE LAY UP	2 CONDUCTORS CABLED TOGETHER WITH 2 FILLERS
OVERALL BINDER	OPEN FIBERGLASS WRAP. .163" NOM O.D.
OVERALL SHIELD	36 AWG TINNED COPPER BRAID. 93% NOMINAL COVERAGE. .183" NOM O.D.
JACKET	.031" WALL PVDF COLOR BLUE (PER EIA-359-A, MUNSELL COLOR CHART, SYMBOL CENTROID) .245 ± .005

<p><b>cinch</b> CONNECTIVITY SOLUTIONS a bel group</p>	DWN	DKC	9-27-95	MATERIAL	CODE IDENT	DRAWING NO.	REV
	CHK			_____	14949	TWCP-124-2	B
	ENG						
	APPR				SCALE -----	DATE 6-5-92	SHEET

DATE

APPR

DWN DKC

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REV B