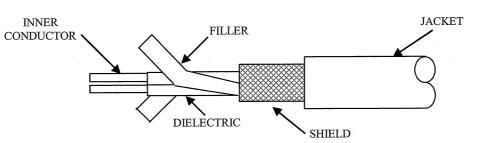
TROMPETER SPECIFICATION SHEET CABLE, RADIO FREQUENCY, TWIN CONDUCTOR, BALANCED LINE TWC-78-1



REQUIREMENTS:

	QUINEMENTS.	
	IMPEDENCE (OF PAIR) 78 ± 3 OHMS	
2.	OPERATING VOLTAGE 0.3 KVRMS MAX/0.6 KVDC MAX	
	BEND RADIUS 1.5 INCH MIN	
4.	CAPACITANCE 20.3 PF/FT MAX	and the same
	CONDS TO SHIELD 36.5 PF/FT	
5.	CONDUCTOR LOOP RESISTANCE179 OHMS/M FT MAX	

VELOCITY OF PROPAGATION ----- 66% NOM

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7.	ATTENTUATION: FREQUENCY	dB/100 FT NOM	FREQUENCY	dB/100 FT NOM
	1 MHz	2.00	40 MHz	10.60
	3 MHz	3.00	50 MHz	11.90
	4 MHz	3.50	100 MHz	16.80
	5 MHz	4.00	200 MHz	23.70
	7 MHz	4.50	500 MHz	37.50
	10 MHz	5.30	700 MHz	44.30
	20 MHz	7.50	1000 MHz	53.00

9.20 30 MHz -- 15.7 LB/1000 FT WEIGHT ---

10. MARK: TROMPETER ELECTRONICS TWINAX TWC-78-1 (*)

(*) VENDOR I.D. CODE

DESCRIPTION	CONSTRUCTIONAL DETAILS
INNER CONDUCTORS	TWO CONDUCTORS, EACH 7 STRANDS OF AWG SIZE 33 TINNED COPPER WIRE PER ASTM-B-33. NOM DIA .022
DIELECTRICS	TWO EACH POLYETHYLENE PER L-P-390C, TYPE II, C1.H, 1 EA GR.3, NATURAL, 1 EA GR.2, BLUE043 ± .002 DIA TYP
FILLERS	TWO EACH POLYETHYLENE PER L-P-390C, TYPE II C1.L GR.3
CABLE CORE	$.085\pm.003$ O.D. DIELECTRICS AND FILLERS TO HAVE A RIGHT HAND OR LEFT HAND LAY, 8 TWISTS PER FOOT. AN OPTIONAL NYLON-THREAD WRAP MAY THEN BE APPLIED WITH SUFFICIENT COVERAGE TO MAINTAIN THE POSITION OF THE COMPONENTS
SHIELD	SINGLE BRAID, AWG SIZE 36 TINNED COPPER WIRE SHIELD COVERAGE 93%108 NOM O.D.
JACKET	BLUE (PER EIA-359-A, MUNSELL COLOR CHART, SYMBOL CENTROID) POLYVINYLCHLORIDE .150 ± .005 O.D.

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	DWN	M JOHNSON	3-12-08	MATERIAL	CODE IDENT	DRA	AWING NO.	REV
TSI	СНК	Jm	6-26-08		14949	, T\	NC-78-1	
101	ENG				14040			<u> </u>
	APPR	2m	4-30-08	SCALE	DATE 10-6-76	3	SHEET	

DWN MWJ

ECO 16590

REV